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LIST

OF THE

SPECIMENS

OF

DIPTEROUS INSECTS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

PART III.

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1849.

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LONDON:
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INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synonymes, and the description, if it appeared to have been before undescribed.

This part of the Catalogue of Dipterous Insects has been prepared and the new species described, by Mr. FRANCIS WALKER, so well known for his attention to this order of Insects.

The remaining part, containing the other families, is in hand, and will follow as soon as it can be completed.

JOHN EDWARD GRAY.

British Museum,
June 6th, 1849.

LIST OF DIPTERA.

PART III.

Sub-order I.—PROBOSCIDEÆ.

Fam. IX. HYBOTINÆ.

HYBOS, *Fabricius.*

HYBOS funebris, *Fabr. Syst. Antl.* 145, 1. *Latr. Gen. Crust.* iv. 305. *Fall. Dipt. Suec. Empid.* 5, 1. *Meig. Dipt.* ii. 347, 1. *Curt. Brit. Ent.* 661, 1. *Macq. Hist. Nat. Dipt.* i. 318, 1. *Zett. Ins. Lapp.* 535, 1. Asilus culiciformis, *Fabr. Sp. Ins.* ii. 466, 33. *Ent. Syst.* iv. 389, 61. *Gmel. Ed. Syst. Nat.* v. 2900, 41. *Schrank. Faun. Boic.* iii. 2558. *Stew. El.* ii. 273. *Turt.* iii. 680. *Meig. Klass. Zweif.* i. 270. Empis clavipes, *Fabr. Ent. Syst.* iv. 403, 4. *Syst. Antl.* 38, 4. Dasypogon culiciformis, *Fabr. Syst. Antl.* 172, 40.

a. England.
b. England. Presented by F. Walker, Esq.
c. France.
d. ——? From Mr. Children's collection.

HYBOS vitripennis, *Meig. Dipt.* ii. 348, 2. *Curt. Brit. Ent.* 661, 2. *Macq. Hist. Nat. Dipt.* i. 319, 2. *Zett. Ins. Lapp.* 535, 2.

a. England.
b. England. Presented by F. Walker, Esq.

HYBOS flavipes, *Fabr. Syst. Antl.* 145, 2. *Fall. Dipt. Suec. Empid.* 5, 2. *Meig. Dipt.* ii. 348, 3, *pl.* 21, *f.* 20. *Curt. Brit. Ent.* 661, 3. *Macq. Hist. Nat. Dipt.* i. 319, 3. *Zett. Ins. Lapp.* 535, 3.

a. England. Presented by F. Walker, Esq.

Hybos fumipennis, *Hoffmansegg, Meig. Dipt.* ii. 349, 4. *Ahrens. Faun.* 12, 25. *Curt. Brit. Ent.* 661. 4.
a. England.
b. England. Presented by F. Walker, Esq.

Hybos pilipes, *Meig. Dipt.* ii. 349, 5. *Curt. Brit. Ent.* 661, 5.
a. England. Presented by F. Walker, Esq.

Hybos purpureus, n. s., fem. *Niger, abdomine purpureo, antennis nigris, pedibus flavis fulvo piceo nigroque variis, alis fuscis apice limpidis.*

Body black, shining; front dark tawny: eyes dark bronze: feelers black: abdomen purple, tinged with bronze and blue: legs yellow; hips, tips of feet and hind shanks piceous, middle shanks and four front thighs tawny; hind hips and hind thighs black: wings very dark brown for more than half the length from the base, colourless thence to the tips; wing-ribs and poisers piceous; veins black. Length of the body 2 lines; of the wings 4 lines.

a. Georgia. From Mr. Abbot's collection.

Hybos duplex, n. s., mas. *Niger, antennis pedibusque nigris, genubus fulvis, pedibus flavis apice piceis, alis fuscis, apicibus marginibusque posticis subfuscis.*

Body black, shining: eyes dark bronze: feelers black: abdomen clothed with long hoary hairs: legs black: knees tawny; feet yellow, piceous towards the tips: wings brown, pale brown towards the tips and along the hind borders; wing-ribs and poisers piceous; veins black. Length of the body 1¾ line; of the wings 3½ lines.

a. New York. Presented by E. Doubleday, Esq.

Hybos triplex, n. s., mas. *Niger, antennis nigris, pedibus piceis, femoribus tibiisque posticis et coxis nigris, pedibus flavis apice piceis, alis nigro-fuscis apice sublimpidis.*

Body black, shining: eyes dark bronze: feelers black: abdomen clothed with long hoary hairs: legs piceous; hips, hind thighs and hind shanks black; feet yellow, with piceous tips: wings dark brown for more than half the length from the base, nearly colourless from thence to the tips; wing-ribs and poisers piceous; veins black. Length of the body 1½ line; of the wings 3 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

Hybos reversus, n. s. *Niger, antennis nigris, pedibus flavis, tibiis posticis coxis et femoribus nigris, femoribus anterioribus apice flavis, tibiis anterioribus basi fulvis, tarsis anterioribus apice tarsisque posticis fulvis, alis subfuscis vittis obscurioribus basi limpidis.*

Body black, shining: eyes dark bronze: feelers black: abdomen clothed with long hoary hairs: legs yellow; hips, thighs, and hind shanks black; tips of four front thighs yellow; four front shanks tawny towards the base; hind feet and tips of four front feet tawny: wings pale brown, darker along the borders of the veins, colourless at the base; wing-ribs and poisers yellow; veins piceous, yellow towards the base. Length of the body 2 lines; of the wings 4 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

Hybos subjectus, n. s. *Niger, antennis pedibusque nigris, genubus fulvis, tarsis anticis flavis apice piceis, tarsis posterioribus piceis basi flavis, alis nigro-fuscis apice subcinereis.*

Body black, shining: eyes dark red: feelers black; legs black; knees tawny; fore feet yellow, piceous towards the tips; four hind feet piceous, yellow at the base: wings dark brown for a little more than half the length from the base, tinged with gray from thence to the tips; wing-ribs and veins black; poisers piceous. Length of the body 1½ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Ocydromia, *Hoffmansegg.*

Ocydromia glabricula, *Fall. Dipt. Suec. Empid.* 33, 42. *Meig. Dipt.* ii. 352, 1, *pl.* 21, *f.* 23. *Macq. Hist. Nat. Dipt.* i. 320, 1. *Zett. Ins. Lapp.* 536, 1.

a. England. Presented by F. Walker, Esq.
b. Alten, Finmark. Presented by F. Walker, Esq.

Ocydromia rufipes, *Meig. Dipt.* ii. 353, 2, *pl.* 21, *f.* 24. *Zett. Ins. Lapp.* 536, 2.

a. England. Presented by F. Walker, Esq.
b. France.

Ocydromia scutellata, *Meig. Dipt.* ii. 354, 5. *Macq. Hist. Nat. Dipt.* i. 320, 3. *Zett. Ins. Lapp.* 537, 4.

a. England. Presented by F. Walker, Esq.

Ocydromia flavipes, *Megerle. Meig. Dipt.* ii. 353, 4. *Zett. Ins. Lapp.* 537, 5.
a. Alten, Finmark. Presented by F. Walker, Esq.

Ocydromia nigripennis, *Meig. Dipt.* vi. 334, 7. *Macq. Hist. Nat. Dipt.* i. 320, 4. Empis nigripennis, *Fabr. Ent. Syst.* iv. 407. 20. Tachydromia nigripennis, *Fabr. Syst. Antl.* 144, 7.
a. England. Presented by F. Walker, Esq.

Ocydromia peregrinata, n. s. *Nigra, antennis nigris, pedibus fulvis, femoribus basi flavis, alis limpidis.*

Body black, shining: eyes and feelers black: legs tawny; thighs yellow towards the base: wings colourless: wing-ribs and poisers tawny; veins piceous. Length of the body 1¼ line; of the wings 3 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

Œdalea, *Meigen.*

Œdalea minuta, *Meig. Dipt.* ii. 356, 2. *Zett. Ins. Lapp.* 538, 2. Empis minuta, *Fall. Empid.* 32, 40.
a. England. Presented by F. Walker, Esq.

Microphorus, *Macquart.*

Microphorus flavipes, *Macq. Hist. Nat. Dipt.* i. 346, 5. Trichina flavipes, *Meig. Dipt.* vi. 336, 1, *pl.* 65, *f.* 10, 11.
a. England. Presented by F. Walker, Esq.
b. Hammerfest, Finmark. Presented by F. Walker, Esq.

Microphorus clavipes, *Macq. Hist. Nat. Dipt.* i. 346, 4. Trichina clavipes, *Meig. Dipt.* vi. 336, 2. *Hal. Ent. Mag.* i. 158.
a. England.

Microphorus elongatus. Trichina elongata, *Haliday, Ent. Mag.* i. 156.
a. England. Presented by F. Walker, Esq.

Microphorus crassipes, *Macq. Dipt. Nord.* 140, 1. *Hist. Nat. Dipt.* i. 346, 1. Platypeza anomala, *Meig. Dipt.* iv. 9. Trichina crassipes, *Meig. Dipt.* vii. 78, 3.
a. England. Presented by F. Walker, Esq.
b. Alten, Finmark. Presented by F. Walker, Esq.
c. Hammersfest, Finmark. Presented by F. Walker, Esq.

Microphorus drapetoides, *Barnston, MSS.*, mas. *Nigra, antennis nigris, pedibus piceis, alis fuscis ad costam subfulvis.*

Body black, hairy: eyes piceous: feelers and lip black, the latter short: legs piceous, clothed with short black hairs: wings dark brown, slightly tawny along part of the fore borders from the base; wing-ribs and veins piceous. Length of the body 1¼ line; of the wings 2½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Cyrtoma, *Meigen.*

Cyrtoma spuria, *Zett. Ins. Lapp.* 533, 1. C. atra, *Meig. Dipt.* iv. 2, 1. *Macq. Hist. Nat. Dipt.* i. 360, 2. Empis spuria, *Fall. Empid.* 33, 43.

a. England. Presented by F. Walker, Esq.

Cyrtoma nigra, *Meig. Dipt.* iv. 3, 2. *Macq. Hist. Nat. Dipt.* i. 360, 1.

a. England. Presented by F. Walker, Esq.

b. Alten, Finmark. Prosented by F. Walker, Esq.

Cyrtoma melœna, *Haliday, Ent. Mag.* i. 158.

a. England. Presented by F. Walker, Esq.

Opetia, *Meigen.*

Opetia nigra, *Meig. Dipt.* vi. 357, 1, *pl.* 66, *f.* 17, 20. *Macq. Hist. Nat. Dipt.* ii. 21, 1. *Curt. Brit. Ent.* 489, 1.

a. England. Presented by F. Walker, Esq.

Spania, *Meigen.*

Spania Edeta, n. s., mas. *Atra, antennis nigris, pedibus piceis, alis sublimpidis ad costam obscurioribus.*

Body deep velvet-like black, hairy: eyes piceous: feelers and lip black; first and second joints of the feelers very short; third joint conical, broader and much longer than the first and the second; spine as long as the third joint: legs piceous, clothed with short black hairs: wings nearly colourless, somewhat darker beneath the fore borders; wing-ribs, veins, and poisers piceous. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Fam. X. Empidæ.

Hilara, *Meigen.*

Hilara cilipes, *Meig. Dipt.* iii. 3, 1, *pl.* 22, *f.* 3. *Curt. Brit. Ent.* 130. *Macq. Hist. Nat. Dipt.* i. 340, 1. Empis clavipes, *Harr. Ex.* 150, *pl.* 44, *f.* 3.
a. England.
b. England. Presented by F. Walker, Esq.

Hilara maura, *Zett. Ins. Lapp.* 555, 3. H. globulipes, *Meig. Dipt.* iii. 3, 2. *Macq. Hist. Nat. Dipt.* i. 340, 2. Empis maura, *Fabr. Sp. Ins.* ii. 471. *Ent. Syst.* iv. 404, 7. *Syst. Antl.* 139, 9. *Fall. Empidæ*, 23, 16. *Meig. Klass. Zweif.* i. 222, 8, *pl.* 2, *f.* 28. *Schell. Gen. Mouch. pl.* 30, *f.* 3. Bibio senilis, *Panz. Faun. Germ.* 54, 3.
a. England.
b. England. Presented by F. Walker, Esq.
c. France.
d. Alten, Finmark. Presented by F. Walker, Esq.

Hilara chorica, *Meig. Dipt.* iii. 4, 3. *Macq. Hist. Nat. Dipt.* i. 340, 3. *Zett. Ins. Lapp.* 556, 8. Empis chorica, *Fall. Empid.* 24, 18.
a. England. Presented by F. Walker, Esq.
b. Alten, Finmark. Presented by F. Walker, Esq.

Hilara nigrina, *Meig. Dipt.* iii. 4, 5. *Macq. Hist. Nat. Dipt.* i. 341, 6. Empis nigrina, *Fall. Empid.* 24, 19.
a. England.
b. England. Presented by F. Walker, Esq.
c. Alten, Finmark. Presented by F. Walker, Esq.

Hilara interstincta, *Meig. Dipt.* iii. 6, 8. *Zett. Ins. Lapp.* 555, 4. Empis interstincta, *Fall. Empid.* 24, 17.
a. England. Presented by F. Walker, Esq.

Hilara pruinosa, *Megerle, Meig. Dipt.* iii. 7, 10.
a. England. Presented by F. Walker, Esq.

Hilara litorea, *Meig. Dipt.* iii. 8, 13. *Macq. Hist. Nat. Dipt.* i. 343, 15. Empis litorea, *Fall. Empid.* 24, 20.
a. England. Presented by F. Walker, Esq.

HILARA fuscipes, *Meig. Dipt.* iii. 6, 9. *Macq. Hist. Nat. Dipt.* i. 342, 11. *Zett. Ins. Lapp.* 555, 2. Empis fuscipes, *Fabr. Ent. Syst.* iv. 406, 14. *Meig. Klass. Zweif.* i. 227, 21. Empis plumbea, *Fabr. Ent. Syst.* iv. 406, 17. *Meig. Klass. Zweif.* i. 233, *g*. Tachydromia fuscipes, *Fabr. Syst. Antl.* 144, 5. T. plumbea, *Fabr. Syst. Antl.* 144, 6. Empis albida, *Meig. Klass. Zweif.* i. 233, *e*. E. intermedia, *Fall. Empid.* 23, 15.

a. England.

HILARA thoracica, *Macq. Dipt. Nord.* 115, 14. *Hist. Nat. Dipt.* i. 343, 18. *Meig. Dipt.* vii. 81, 26.

a. England. Presented by F. Walker, Esq.

HILARA nana, *Macq. Dipt. Nord.* iii. 4. *Hist. Nat. Dipt.* i. 341, 4. *Meig. Dipt.* vii. 80, 23.

a. England. Presented by F. Walker, Esq.

HILARA transfuga, n. s., fem. *Nigra, antennis nigris, pedibus piceis, alis nigro-fuscis, stigmatibus nigris.*

Body black, clothed with short black hairs: eyes, mouth, and feelers black: legs piceous, clothed with black hairs; wings dark brown; wing-ribs and veins black; brands black; poisers piceous. Length of the body 1½—2 lines; of the wings 3—4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HILARA migrata, n. s., mas. *Nigra, antennis nigris, pedibus fulvis, alis cinereis, stigmate fusco.*

Body black, hairy: eyes piceous: feelers and lip black, the latter short: legs dark tawny, clothed with short black hairs; wings gray; wing-ribs, veins, and poisers piceous; wing-brands brown. Length of the body 1 line; of the wings 2 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HILARA Bares, n. s. mas. *Fusca, antennis nigris pectore cano, pedibus fulvis, tarsis fuscis, alis subfuscis ad costam fuscis.*

Body brown, clothed with short black hairs; eyes dark red: feelers and mouth black: breast hoary: legs tawny, clothed with short black hairs; feet brown: wings light brown, darker for one-third of the length along the fore border; wing-ribs and veins piceous; poisers brown. Length of the body 1¼ line; of the wings 3 lines.

a. East India. Presented by Captain Parry.

GLOMA, *Meigen.*

GLOMA Phthia, n. s., mas. *Nigra, antennis nigris, pedibus flavis, femoribus fulvis, pedibus posticis longis validis, alis nigro-cinereis.*

Body black, hairy: eyes dark red: feelers black: lip tawny, a little longer than the head: legs yellow; thighs tawny; hind legs long and stout, their thighs and shanks piceous: wings dark gray; wing-ribs piceous; veins black; poisers dark tawny, with piceous knobs. Length of the body 2 lines; of the wings 4 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

Note.—The wings of this species have two cross-veins, which do not appear in the wings of *G. fuscipennis*, and the fork of the vein at the tip is wanting.

EMPIS, *Linn.*

Group I.

EMPIS tessellata, *Fabr. Ent. Syst.* iv. 405, 10. *Syst. Antl.* 140, 13. *Latr. Gen. Crust.* iv. 303. *Wied. Zool. Mag.* i. 2, 25. *Fall. Empid.* 17, 2. *Lam. Anim. sans Vert.* iii. 402, 3. *Meig. Dipt.* iii. 17, 1. vi. 337. *Curt. Brit. Ent.* 18, 1, 2*nd edit.* *Macq. Hist. Nat. Dipt.* i. 327, 2. Empis livida, *Fabr. Ent. Syst.* iv. 405, 10. *Sp. Ins.* ii. 471, 5. *Syst. Antl.* 139, 10. *Turt.* iii. 666.

a. England.
b. France.
c. ———? From Mr. Children's collection.

EMPIS opaca, *Fabr. Syst. Antl.* 138, 7. *Meig. Dipt.* iii. 17, 2. *Macq. Hist. Nat. Dipt.* i. 328, 5. E. rufipes, *Fabr. Syst. Antl.* 138, 5.

a. England.
b. ———? From Mr. Children's collection.

EMPIS livida, *Linn. Syst. Nat. Ed.* xii. 2, 1003, 3. *Faun. Suec.* 1897. *Deg. Ins.* vi. 101, 1, *pl.* 14, *f.* 14. *Schell. Gen. Mouch.* *pl.* 31, *f.* 1. *Herbst. Gem. Nat.* viii. 118, *pl.* 344, *f.* 2. *Geoff. Ins.* ii. 474, 17. *Schrank. Faun. Boic.* iii. 2573. *Harr. Ex.* 149, *pl.* 44, *f.* 1. *Stew. El.* ii. 270. *Latr. Gen. Crust.* iv. 303. *Fall. Empid.* 18, 4. *Lam. Anim. sans Verteb.* iii. 401, 2. *Meig. Dipt.* iii. 35, 36. *Curt. Brit. Ent.* 18, 5, 2*nd edit.*

Journ. Roy. Agric. Soc. vi. 2. *Macq. Hist. Nat. Dipt.* i. 329, 7. *Zett. Ins. Lapp.* 560, 2. E. lineata, *Fabr. Syst. Antl.* 141. E. fugeo (fem.), *Harr. Ex.* 150, *pl.* 44, *f.* 2.

a. England.

b. ——— ? From Mr. Children's collection.

EMPIS Eudamides, n. s., mas. *Fulva, capite thoracisque vittis quatuor cinereis, abdomine nigro apice fulvo, antennis fulvis apice nigris, pedibus fulvis, genubus nigris, femoribus anterioribus nigro vittatis, alis sublimpidis basi fulvis.*

Head gray, narrower than the chest, clothed with short black hairs: eyes red: mouth tawny, with a black tip, as long as the chest: feelers tawny, black towards their tips, longer than the head: chest paler on each side, beset with short black hairs, adorned on the back with four gray stripes: abdomen black, shining, clothed with black hairs, its tip tawny: legs tawny, clothed with short black hairs; hips and trochanters gray; knees black; tips of feet piceous; a short black stripe on each of the four front thighs: wings nearly colourless, tawny towards the base. Length of the body 3 lines; of the wings 7 lines.

a. North America. Presented by the Entomological Club.

EMPIS Amytis, n. s., mas. *Fulva, capite thoracis disco abdomineque nigris, abdominis lateribus fulvis, antennis nigris, pedibus fulvis, tarsis apice genubusque nigris, alis limpidis.*

Head black, much narrower than the chest: eyes dark red: mouth tawny, with a black tip, much shorter than the chest: eyes dark red: feelers black: chest and breast tawny; disk of the former black: abdomen black, dull, tawny along each side: legs tawny, clothed with short black hairs; knees and tips of feet black: wings colourless; wing-ribs and poisers tawny; veins piceous, tawny towards the base. Length of the body 2½ lines; of the wings 8 lines.

a. New York. Presented by the Entomological Club.

EMPIS Ollius, n. s., fem. *Fulva, capite cinereo, thoracis vittis quatuor fuscis, abdomine antennisque nigris, pedibus fulvis, tarsis apice piceis, alis subfulvis.*

Nearly allied to *E. Abcirus:* head gray, thinly clothed beneath with black hairs: hypostoma black, shining: lip dark tawny, piceous at the tip, shorter than the body: eyes bright red: feelers black: chest and breast dull tawny: chest adorned with four brown stripes, between which are rows of short black bristles; the hinder part of the chest is beset with longer black bristles: abdomen black, shining:

legs tawny, beset with short black hairs and bristles; hips black; feet piceous towards the tips: wings slightly tawny; wing-ribs and poisers bright tawny; veins piceous, tawny towards the base and along the fore borders. Length of the body 2 lines; of the wings 4 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Empis Abcirus, n. s., mas. *Fulvo-cana, thoracis vittis quatuor cinereis, abdomine nigro, antennis fulvis apice nigris, pedibus fulvis, tarsis apice piceis, alis limpidis.*

Head hoary, thinly clothed beneath with black hairs: hypostoma black: lip tawny for more than half its length, black thence to the tip, nearly as long as the body: eyes bright red: feelers black; first and second joints dark tawny: chest and breast hoary, with a tawny tinge: chest adorned with four gray stripes, between which are rows of short black bristles; the hind border of the chest is beset with longer black bristles: abdomen black, shining: legs tawny, beset with short black hairs and bristles; hips black; feet piceous towards the tips; foot-cushions and claws tawny: wings colourless; wing-ribs and poisers bright tawny; veins piceous, tawny towards the base and along the fore borders. Length of the body 2½ lines; of the wings 5 lines.

a. Georgia. From Mr. Abbot's collection.

Group II.

Empis pennipes, *Linn. Syst. Nat. Ed.* xii. 103, 2. *Faun. Suec.* 1896. *Gmel. Ed. Syst. Nat.* v. 2889, 2. *Fabr. Sp. Ins.* ii. 471, 2. *Ent. Syst.* iv. 404, 5. *Syst. Antl.* 138, 6. *Sulz. Ins. pl.* 21, *f.* 137. *Panz. Faun. Germ.* 74, 18. *Schell. Gen. Mouch. pl.* 35, 2. *Schæf. Icon. pl.* 192, *f.* 3. *Latr. Gen. Crust.* iv. 303. *Cons. Gén.* 443. *Regn. Anim.* v. 459. *Stew. El.* ii. 269. *Turt.* iii. 665. *Wood, Ill. Linn. Gen. Ins.* ii. 100, *pl.* 68. *Lam. Anim. sans Verteb.* iii. 401, 1. *Meig. Dipt.* iii. 21, 8. *Curt. Brit. Ent.* 18, 27, *2nd edit. Macq. Hist. Nat. Dipt.* i. 331, 16. *Zett. Ins. Lapp.* 561, 6. Empis pennata, *Schrank. Ins. Austr.* 987. *Faun. Boic.* iii. 2571. E. ciliata, *Meig. Klass. Zweif.* i. 220, 3 *Fall. Empid.* 20, 8. E. longirostris, *Meig. Klass. Zweif.* i. 223, 11.

a. England.

b. England. Presented by F. Walker, Esq.

Group III.

Empis lepidopus, *Meig. Dipt.* iii. 23, 12. *Curt. Brit. Ent.* 18, 24, 2*nd. edit.*
a. England.
b. England. Presented by F. Walker, Esq.

Empis holosericea, *Latr. MSS.?* *Cinerea, antennis nigris, alis albidis.*

Body gray, dull, thickly clothed with black hairs: feelers black: eyes dark red: legs gray, clothed with short black hairs and bristles; claws black; foot-cushions tawny: wings whitish; wing ribs and poisers ferruginous; veins brown. Length of the body 2½ lines; of the wings 5 lines.

a. France.

Empis pennaria, *Fall. Empid.* 20, 9. *Meig. Dipt.* iii. 23, 13. *Curt. Brit. Ent.* 18, 22, 2*nd edit.* *Macq. Dipt. Nord.* 125, 14. *Hist. Nat. Dipt.* i. 331, 19. *Zett. Ins. Lapp.* 562, 7.
a. England. Presented by F. Walker, Esq.

Empis vitripennis, *Meig. Dipt.* iii. 24, 15. *Macq. Hist. Nat. Dipt.* i. 332, 25.
a. England.
b. England. Presented by F. Walker, Esq.

Empis leucoptera, *Meig. Dipt.* iii. 27, 18.
a. England.
b. England. Presented by F. Walker, Esq.

Empis vernalis, *Meig. Dipt.* iii. 27, 19.
a. England. Presented by F. Walker. Esq.

Empis chioptera, *Fall. Empid.* 21, 11. *Meig. Dipt.* iii. 27, 20. *Curt. Brit. Ent.* 18, 18, 2*nd edit.* *Macq. Dipt. Nord.* 128, 21. *Hist. Nat. Dipt.* i. 330, 14. *Zett. Ins. Lapp.* 561, 4. E. crassipes, *Schrank. Ins. Austr.* 988. *Faun. Boic.* iii. 2576.
a. England.
b. England. Presented by F. Walker, Esq.

Empis antarctica, *Walker, Linn. Trans.* xvii. 341, 26.
a. Port Famine. Presented by the Entomological Club.

EMPIS Cormus, n. s., mas. et fem. *Niger*, (mas.) *aut cinereus* (fem.) *antennis nigris*, fem. *thoracis vittis tribus abdominisque fasciis canis, pedibus nigris, genubus fulvis, tibiis tarsisque piceis, alis limpidis.*

Body of the male black, of the female gray: lip, eyes, and feelers black: chest of the female adorned with three indistinct hoary stripes: hind borders of abdominal segments of the female hoary: legs black; knees tawny; shanks and feet piceous: wings colourless, rather broad; wing-ribs and veins piceous, the latter strongly marked; poisers piceous. Length of the body 1¾—2 lines; of the wings 3½—4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

EMPIS Agasthus, n. s., fem. *Nigra, antennis nigris, pedibus fulvis, femoribus tibiis tarsisque apice piceis, alis limpidis.*

Body, eyes and feelers black: legs tawny, rather hairy; thighs, shanks, and feet piceous towards the tips: wings colourless; wing-ribs and veins pale tawny; poisers yellow. Length of the body 1½ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group IV.

EMPIS luctuosa, *Kirby, North Amer. Zool. Ins.* 311, 1.
a. Nova Scotia. From Lieut. Redman's collection.

Group V.

EMPIS Bistortæ, *Meig. Dipt.* iii. 29, 22. *Curt. Brit. Ent.* 18, 17, *2nd edit. Macq. Hist. Nat. Dipt.* i. 329, 10.
a. England.
b. England. Presented by F. Walker, Esq.
c. Hammerfest, Finmark. Presented by F. Walker, Esq.

EMPIS pilipes, *Meig. Dipt.* iii. 31, 29.
a. England. Presented by F. Walker, Esq.

Group VI.

EMPIS nigritarsis, *Meig. Dipt.* iii. 32, 31. vi. 337. *Curt. Brit. Ent.* 18, 14, *2nd. edit. Macq. Hist. Nat. Dipt.* i. 329, 9,
a. England. Presented by F. Walker, Esq.

Group VII.

EMPIS borealis, *Linn. Syst. Nat.* ii. 1003. *Faun. Suec.* 1895. *Gmel. Ed. Syst. Nat.* v. 2889, 1. *Fabr. Sp. Ins.* ii. 471, 1. *Ent. Syst.* iv. 403, 1. *Syst. Antl.* 137, 1. *Deg. Ins.* vi. 102, 2, *pl.* 14, *f.* 17. *Herbst, Gem. Nat.* viii. 117, *pl.* 344, *f.* 1, *Schrank. Faun. Boic.* iii. 2570. *Turt.* iii. 665. *Fall. Empid.* 16, 1. *Meig. Dipt.* iii. 36, 37. *Curt. Brit. Ent.* 18, 1, 2*nd edit.* *Macq. Dipt. Nord.* 122, 9. *Hist. Nat. Dipt.* i. 328, 6. *Zett. Ins. Lapp.* 560, 1. Platypterygia borealis, *Steph. Cat. Brit. Ins.* 2, 263. Platyptera borealis, *Meig.*

a. England. Presented by F. Walker, Esq.
b. Hammerfest, Finmark. Presented by F. Walker, Esq.

Group VIII.

EMPIS stercorea, *Linn. Syst. Nat.* ii. 1004. *Faun. Suec.* 1899. *Gmel. Ed. Syst. Nat.* v. 2890, 5. *Fabr. Sp. Ins.* ii. 472, 8. *Ent. Syst.* iv. 406, 16. *Syst. Antl.* 141, 21. *Stew. El.* ii. 270. *Turt.* iii. 667. *Latr. Gen. Crust.* iv. 303. *Schrank. Ins. Austr.* 986. *Wied. Zool. Mag.* i. 2, 25. *Meig. Dipt.* iii. 37. *Curt. Brit. Ent.* 18, 6, 2*nd edit.* *Macq. Hist. Nat. Dipt.* i. 330, 12. *Zett. Ins. Lapp.* 561, 5. Empis pertinax, *Harr. Ex.* 120, *pl.* 44, *f.* 5.

a. England.
b. England. Presented by F. Walker, Esq.

EMPIS testacea, *Fabr. Syst. Antl.* 141, 20. *Latr. Gen. Crust.* iv. 303. *Meig. Dipt.* iii. 37, 39. *Curt. Brit. Ent.* 18, 10, 2*nd edit.*

a. England.
b. England. Presented by F. Walker, Esq.

EMPIS lutea, *Meig. Dipt.* iii. 37, 40. *Curt. Brit. Ent.* 18, 11, 2*nd edit.* *Macq. Hist. Nat. Dipt.* i. 330, 13. E. certus, *Harr. Ex.* 150, *pl.* 44, *f.* 6.

a. England.
b. England. Presented by F. Walker, Esq.
c. France.
d. ———? From Mr. Children's collection.

EMPIS ignota, *Meig. Dipt.* vi. 338. E. punctata, *Fall. Empid.* 19, 6. *Meig. Dipt.* iii. 38, 41. *Curt. Brit. Ent.* 18, 7. 2*nd. edit.*

a. England. Presented by F. Walker, Esq.
b. France.

EMPIS colonica, n. s., mas. *Fulva, abdomine obscuriore, antennis nigris, pedibus fulvis, tarsis apice piceis, alis subfulvis.*

Body bright tawny, shining, smooth, beset with a few short slender black bristles: eyes and feelers black: lip tawny, piceous towards the tip, much more than half the length of the body: abdomen dark tawny, clothed with black hairs: legs pale tawny, thinly clothed with short black hairs and bristles; feet piceous towards the tips: wings with a tawny tinge; wing-ribs tawny; veins brown, tawny towards the base; poisers pale yellow. Length of the body 3 lines; of the wings 7 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Group IX.

EMPIS femorata, *Fabr. Ent. Syst. Supp.* 568. *Syst. Antl.* 140. *Coq. Ill. Icon. pl.* 27, *f.* 8, 14. *Latr. Gen. Crust.* iv. 303. *Meig. Dipt.* iii. 40, 45, *pl.* 22, *f.* 20. *Curt. Brit. Ent.* 18, 29, *2nd edit.* Pachymeria femorata, *Steph.* Pachymerina femorata, *Macq. Hist. Nat. Dipt.* i. 333, 1.

a. England.

b. England. Presented by F. Walker, Esq.

c. ———? From Mr. Children's collection.

RHAMPHOMYIA, *Meigen.*

Group I.

RHAMPHOMYIA marginata, *Meig. Dipt.* iii. 43, 1. *Macq. Hist. Nat. Dipt.* i. 336, 8. Empis marginata, *Fabr. Ent. Syst.* iv. 403, 3. *Syst. Antl.* 138, 3. *Gmel. Ed. Syst. Nat.* v. 2889, 6. *Latr. Gen. Crust.* iv. 304. *Meig. Klass. Zweif.* i. 228, 25, *pl.* 11, *f.* 29. E. platyptera, *Panz. Faun. Germ.* xxiv. 23.

a. South Europe.

Group II.

RHAMPHOMYIA rugicollis, *Meig. Dipt.* iii. 46, 8.

a. England. Presented by F. Walker, Esq.

b. Alten, Finmark. Presented by F. Walker, Esq.

RHAMPHOMYIA sulcata, *Meig. Dipt.* iii. 46, 9. *Macq. Hist. Nat. Dipt.* i. 335, 3. *Zett. Ins. Lapp.* 565, 12. Empis fixus, *Harr. Ex.* 151, *pl.* 44, *f.* 8. Empis sulcata, *Meig. Klass. Zweif.* i. 229, 26. *Fall. Empid.* 26, 25.

a. England.
b. England. Presented by F. Walker, Esq.
c. France.
d. Hammerfest, Finmark. Presented by F. Walker, Esq.
e. Isle of Soröe, Finmark. Presented by F. Walker, Esq.

RHAMPHOMYIA nigripes, *Meig. Dipt.* iii. 48, 13. *Macq. Hist. Nat. Dipt* i. 336, 9. *Zett. Ins. Lapp.* 562, 1. Empis vicanus, *Harr. Ex.* 151, *pl.* 44, *f.* 9. Empis nigripes, *Fabr. Ent. Syst.* iv. 405, 13. *Syst. Antl.* 141, 17. *Klass. Zweif.* i. 229, 27. E. crassirostris, *Fall. Empid.* 31, 37.

a. England.
b. ——— ? From Mr. Children's collection.

RHAMPHOMYIA lœvipes? *Meig. Dipt.* iii. 49, 14. Empis lœvipes, *Fall. Empid.* 27, 26.

a. France.

RHAMPHOMYIA variabilis, *Meig. Dipt.* iii. 51, 18. *Macq. Hist. Nat. Dipt.* i. 537, 12. *Zett. Ins. Lapp.* 569, 30. Empis variabilis, *Fall. Empid.* 29, 33.

a. England. Presented by F. Walker, Esq.
b. France.

RHAMPHOMYIA Cophas, n. s. *Nigra, antennis pedibusque nigris, tibiis rufis, alis subfuscis, stigmate fusco.*

Body black, clothed with short black hairs: eyes piceous: feelers black; lip black, a little longer than the chest: legs black, clothed with short black hairs and bristles; shanks dark red; wings slightly tinged with brown, a slender brown brand near the tip of the fore-border; wing-ribs piceous; veins black, piceous at the base; poisers tawny. Length of the body 8 lines; of the wings 6 lines.

a. New York. Presented by the Entomological Club.

RHAMPHOMYIA Agasicles, n. s. fem. *Nigra, antennis nigris, pedibus piceis, posticis longis validis, tarsis posticis latis, alis fuscis.*

Body black, shining: eyes piceous: feelers and lip black, the latter longer than the head: legs piceous, thinly covered with black

down; hind legs long and stout; hind feet somewhat widened: wings dark brown; wing-ribs piceous; veins black, piceous towards the base; poisers tawny. Length of the body 1¼—1½ line; of the wings 3—3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

RHAMPHOMYIA Phemius, n. s., mas. et fem. *Cinerea, thoracis vittis tribus nigris, antennis nigris, pedibus piceis, alis* mari. *limpidis* fem. *fuscis.*

Body very dark gray: eyes piceous: feelers and lip black, the latter longer than the head: chest clothed with black hairs, adorned with three black stripes: legs piceous, clothed with short black hairs: wings of the male colourless, of the female dark brown; wing-ribs piceous; veins black, piceous towards the base; poisers ferruginous. Length of the body 1½ line; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

RHAMPHOMYIA Ecetra, n. s. mas. *Nigra, thoracis vittis tribus cinereis, antennis pedibusque nigris, femoribus anticis subtus ferrugineis, alis fuscis.*

Body black, clothed with black hairs and bristles: eyes red; lip black: feelers black; first and second joints beset with very short black hairs; third clothed with long tawny hairs: chest adorned with three dark gray stripes: legs black, thickly fringed with very short black hairs; fore-thighs ferruginous beneath; wings dark brown; wing-ribs and poisers ferruginous; veins piceous, ferruginous towards the base. Length of the body 1½ line; of the wings 3½ lines.

a. Georgia. From Mr. Abbot's collection.

RHAMPHOMYIA Anaxo, n. s., mas. et fem. *Cinerea, abdomine nigro, antennis nigris, pedibus piceis, alis subfulvis.*

Body gray, slightly hairy: feelers black: eyes piceous: lip black, shorter than the chest: abdomen black, shining: legs piceous, slightly covered with black down: wings with a slight tawny tinge, nearly colourless at the tips and along the hind borders; wing-ribs and poisers tawny; veins piceous, tawny towards the base. Length of the body 1½ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

RHAMPHOMYIA flavirostris, *Barnston's MSS.*, mas. et fem. *Fulvo-cana, abdomine subtus fulvo, antennis nigris, pedibus fulvis,* fem. *tibiis apice tarsisque nigris, alis sublimpidis.*

Body hoary, with a dark tawny tinge, beset with black hairs: eyes red: feelers pubescent, black: lip piceous, clothed with short hairs, shorter than the chest: abdomen tawny beneath: legs tawny, thickly clothed with very short, black hairs: legs of the female rather paler than those of the male; feet and tips of the shanks black: wings nearly colourless; wing-ribs, veins and poisers tawny. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

RHAMPHOMYIA Ficana, n. s., fem. *Cinereo-fulva, abdomine nigro, antennis nigris, pedibus fulvis, alis limpidis.*

Body grayish tawny, beset with black hairs and bristles: eyes red: lip tawny, shorter than the chest: feelers black: abdomen black, shining: legs tawny, clothed with short black hairs: wings colourless, wing-ribs, veins and poisers yellow. Length of the body $1\frac{1}{2}$ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

RHAMPHOMYIA longipes, *Meig. Dipt.* iii. 55, 26, *pl.* 22, *f.* 3. *Macq. Hist. Nat. Dipt.* i. 339, 23. Empis longipes, *Meig. Klass. Zweif.* i. 231, 34.

a. England. Presented by F. Walker, Esq.

RHAMPHOMYIA holosericea, *Meig. Dipt.* iii. 58, 33, vi. 339. Empis holosericea, *Meig. Klass. Zweif.* i. 231, 33. E. gibba, *Fall. Empid.* 32, 41. Rhamphomyia gibba, *Meig. Dipt.* iii. 58, 32.

a. England. Presented by F. Walker, Esq.

Group III.

RHAMPHOMYIA cæsia, *Hoffmansegg. Meig. Dipt.* iii. 56, 29, vi. 339. *Macq. Hist. Nat. Dipt.* i. 338, 18. R. schistacea, *Meig. Dipt.* iii. 57, 30.

a. England. Presented by F. Walker, Esq.

RHAMPHOMYIA albipennis, *Meig. Dipt.* iii. 59, 35. Empis albipennis, *Fall. Empid.* 30, 36.

a. England. Presented by F. Walker, Esq.
b. France.

RHAMPHOMYIA nigripennis, *Zett. Ins. Lapp.* 569, 31. R. umbripennis, *Meig. Dipt.* iii. 54, 25, vi. 339. *Macq. Hist. Nat. Dipt.* i. 338, 17. Empis nigripennis, *Fall. Empid.* 30, 34.

a. England. Presented by F. Walker, Esq.

b. Hammerfest, Finmark. Presented by F. Walker, Esq.

c. Isle of Soröe, Finmark. Presented by F. Walker, Esq.

RHAMPHOMYIA Mallos, n. s., fem. *Cinerea, thoracis vittis tribus nigris, antennis nigris, pedibus piceo-ferrugineis, femoribus tibiisque ciliatis, alis latis fulvo-fuscis.*

Body dark gray, clothed with short, stout black hairs: eyes red: mouth and feelers black; third joint of feelers rather broad: chest adorned with three black stripes: legs dark ferruginous or almost piceous, hairy; thighs and shanks very thickly fringed: wings ample, very dark brown, with a tawny tinge, slightly paler at the tips and along the hind borders; wing-ribs piceous; veins black; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

RHAMPHOMYIA Minytus, n. s., mas. *Nigra, antennis nigris, pedibus piceis, tibiis tarsisque posticis latis, alis limpidis.*

Body black, shining, thickly clothed with black hairs: eyes piceous: feelers and lip black, the latter a little longer than the head: legs piceous, pubescent; hind shanks widened towards the tips; hind feet clothed with black hairs, first joint long, much widened, very large, second slightly widened: wings colourless; wing-ribs and poisers tawny; veins piceous, tawny towards the base. Length of the body 1½ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

RHAMPHOMYIA Dana, n. s., fem. *Cinerea, thoracis vittis tribus fuscis, ventre ferrugineo, antennis nigris, pedibus fulvis, femoribus tibiisque posterioribus ciliatis, alis subcinereis.*

Body gray: eyes dark red: feelers black: lip black, longer than the head: chest adorned with three brown stripes, thinly clothed with black hairs: abdomen dark ferruginous beneath: legs tawny; thighs and shanks of the middle and of the hind legs, especially of the latter, beautifully fringed with long black hairs: wings slightly gray; wing-ribs and poisers yellow; veins tawny,

yellow towards the base. Length of the body 1⅛ line; of the wings 3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

RHAMPHOMYIA pennata, *Macquart, Dipt. Nord.* vi. *Hist. Nat. Dipt.* i. 338, 19. *Curt. Brit. Ent.* 517.

a. England. Presented by F. Walker, Esq.

Group IV.

RHAMPHOMYIA Daria, n. s., mas. *Cinereo-nigra, antennis nigris, pedibus fulvis, femoribus apice tibiisque posticis piceis, genubus flavis, tarsis nigris, alis limpidis fulvo subvittatis.*

Body black, with a slight gray tinge: eyes red: lip black, about twice the length of the head: feelers black: legs tawny; tips of thighs above piceous; knees yellow; shanks darker than the thighs; hind shanks piceous; feet black, dark tawny at the base: wings colourless, with a slight tawny tinge along some of the borders of the veins; wing-ribs tawny; veins piceous, tawny towards the base. Length of the body 2¾ lines; of the wings 6 lines.

a. New York. Presented by E. Doubleday, Esq.

RHAMPHOMYIA flava, *Meig. Dipt.* iii. 59, 36. *Macq. Hist. Nat. Dipt.* i. 335, 2. *Zett. Ins. Lapp.* 572, 45. Empis flava, *Fall. Empid.* 30, 35.

a. England. Presented by F. Walker, Esq.

RHAMPHOMYIA carbonaria, *Hoffmansegg. Meig. Dipt.* iii. 59, 34.

a. Hammerfest, Finmark. Presented by F. Walker, Esq.

Fam. XI TACHYDROMIÆ.

HELIODROMIA, *Haliday.*

Div. I.

HELIODROMIA immaculata, *Haliday, Ent. Mag.* i. 159. *Curt. Brit. Ent.* 513, 1. *Macq. Hist. Nat. Dipt.* ii. 658, 1. Hemerodromia immaculata, *Meig. Dipt.* vii. 93, 11.

a. England. Presented by F. Walker, Esq.

b. Alten, Finmark. Presented by F. Walker, Esq.

Div. II.

HELIODROMIA unicolor, *Curt. Brit. Ent.* 513, 3.
a. France.

HELIODROMIA stagnalis, *Haliday, Ent. Mag.* i. 159. *Curt. Brit. Ent.* 513, 4. Hydrodromia stagnalis, *Macq. Hist. Nat. Dipt.* ii. 658. 2. Hemerodromia stagnalis, *Macq. Dipt.* vii. 93, 3.
a. England. Presented by F. Walker, Esq.

HELIODROMIA longipes, *Barnston's MSS. Cana, thorace cinereo-fulvo, vittis duabus fulvo-fuscis, antennis nigris, pedibus canis, alis subcinereis.*

Body hoary: eyes piceous: feelers and mouth black: chest grayish tawny, adorned with two yellowish brown stripes: legs hoary, very long: wings slightly gray; wing-ribs piceous; veins black, piceous towards the base; poisers piceous, tawny at the base. Length of the body 1¾ line; of the wings 3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ARDOPTERA, *Macquart.*

ARDOPTERA irrorata, *Macq. Dipt. Nord. France*, 106, 1, *pl.* 3, *f.* 2. *Hist. Nat. Dipt.* i. 358, 1, *pl.* 8, *f.* 3. Leptosceles irrorata, *Haliday, Ent. Mag.* i. 161. Tachydromia irrorata, *Fall. Empid.* 13, 17.
a. England. Presented by F. Walker, Esq.

ARDOPTERA guttata. Hemerodromia irrorata, *Meig. Dipt.* iii. 66, 9, *pl.* 23, *f.* 11. *Zett. Ins. Lapp.* 544, 9. Leptosceles guttata, *Hal. Ent. Mag.* i. 160.
a. England. Presented by F. Walker, Esq.

HEMERODROMIA, *Hoffmansegg.*

A. *One discoidal areolet.*

HEMERODROMIA monostigma, *Hoffmansegg, Meig. Dipt.* iii. 62, 1, *pl.* 23, *f.* 6. *Zett. Ins. Lapp.* 543, 5. Tachydromia præcatoria, *Fall. Dipt. Suec. Empid.* 10, 12. *Var.* pallida. *Add.* 34, 12. Hemerodromia præcatoria, *Macq. Hist. Nat. Dipt.* i. 347, 3.
a. England. Presented by J. C. Dale, Esq.

HEMERODROMIA albipes, *Barnston's MSS.*, nitida, fem. *Fulvo-cana, antennis fulvis apice nigris, pedibus flavis, alis limpidis.*

Body slender, hoary, with a slight tawny tinge: eyes dark red: mouth tawny: feelers pale tawny, black towards the tips: legs pale yellow; tips of feet piceous: wings colourless; wing-ribs pale yellow; veins tawny, pale yellow towards the base; poisers yellow. Length of the body $1\frac{1}{3}$—2 lines; of the wings $3\frac{1}{2}$—4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HEMERODROMIA præcatoria, *Meig. Dipt.* iii. 62, 2, *pl.* 23, *f.* 13. H. monostigma, *Macq. Dipt. Nord.* 104, 5, *pl.* 3, *f.* 1. *Hist. Nat. Dipt.* i. 347, 1. Tachydromia præcatoria, *Fall. Empid.* 10, 12; 34, 12.

a. England.

b. England. Presented by F. Walker, Esq.

c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HEMERODROMIA obsecratoria, *Walk. Ent. Mag.* iv. 228.

a. England. Presented by F. Walker, Esq.

b. France.

B. *No discoidal areolet.* Phyllodromia, *Zetterstedt.*

HEMERODROMIA melanocephala, *Haliday, Ent. Mag.* i. 158. *Zett. Ins. Lapp.* 544, 6. H. mantispa, *Meig. Dipt.* iii. 64, 5, *pl.* 23, *f.* 9. *Macq. Dipt. Nord.* 102, 1, *pl.* 2, *f.* 5. *Hist. Nat. Dipt.* i. 349, 7. Empis melanocephala, *Fab. Ent. Syst.* iv. 407, 21. Tachydromia melanocephala, *Fabr. Syst. Antl.* 144, 8. *Fall. Empid.* 12, 16. Sicus raptor, *Latr. Gen. Crust.* iv. 304, *pl.* 16, *f.* 11, 12. Tachydromia mantispa, *Panz. Faun. Germ.* iii. 16.

a. England. Presented by F. Walker, Esq.

b. France.

ELAPHROPEZA, *Macquart.*

ELAPHROPEZA ephippiata, *Macq. Dipt. Nord.* 1. *Hist. Nat. Dipt.* i. 359, 1, *pl.* 8, *f.* 14. Tachydromia ephippiata, *Fall. Empid.* 11, 14. Hemerodromia ephippiata, *Meig. Dipt.* iii. 65, 8.

a. England. Presented by F. Walker, Esq.

b. France.

Tachydromia, *Meigen.*

Group 1.

Tachydromia cimicoides, *Fabr. Syst. Antl.* 144, 4. *Meig. Dipt.* vi. 341. *Macq. Hist. Nat. Dipt.* i. 349, 1. T. arrogans, *Fall. Empid.* 13, 18. *Meig. Dipt.* iii. 68, 1. *Curt. Brit. Ent.* 477, 1. Musca cimicoides, *Fabr. Sp. Ins.* ii. 447, 61. *Ent. Syst.* iv. 339, 115. *Gmel. Ed. Syst. Nat.* v. 2852, 231. Sicus arrogans, *Latr. Gen. Crust.* iv. 304. *Cons. Gén.* 443. Tachypeza cimicoides, *Meig. Dipt.* vii. 24. *Zett. Ins. Lapp.* 546, 1.

a. England. Presented by F. Walker, Esq.
b. France.

Tachydromia fuscipennis, *Fall. Empid.* 14, 19. *Meig. Dipt.* iii. 71, 5. *Curt. Brit. Ent.* 477, 4. *Macq. Hist. Nat. Dipt.* i. 350, 4. Tachypeza fuscipennis, *Meigen, Zett. Ins. Lapp.* 546, 3.

a. England. Presented by F. Walker, Esq.

Tachydromia nervosa, *Meig. Dipt.* iii. 72, 8. *Curt. Brit. Ent.* 477, 5. Tachypeza fuscipennis, *Meigen, Zett. Ins. Lapp.* 547, 5.

a. England. Presented by F. Walker, Esq.
b. France.
c. Alten, Finmark. Presented by F. Walker, Esq.

Tachydromia portæcola, *Barnston's MSS.*, mas. *Nigra, antennis nigris, pedibus fulvis, femoribus piceis, alis cinereis.*

Resembles *T. nervosa:* body black, dull: eyes piceous: feelers and mouth black, the latter tawny towards the base: abdomen hairy at the tip: legs tawny; thighs slightly piceous: wings gray; wing-ribs and veins piceous; poisers dark tawny. Length of the body 1½ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Tachydromia similis, *Barnston's MSS.*, fem. *Nigra, antennis fulvis apice nigris, pedibus fulvis, femoribus anticis nigro vittatis, tibiis intermediis piceis, tibiis posticis apice femoribusque posticis nigris, alis fuscis.*

Body black, slightly shining: eyes and mouth piceous: feelers tawny, with black tips: legs tawny; tips of feet black; fore thighs

striped with black; middle shanks piceous; hind thighs and tips of hind shanks black: wings brown; wing-ribs and veins piceous; poisers tawny. Length of the body 1¾ line; of the wings 2 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TACHYDROMIA maculipennis, *Barnston's MSS.*, mas. *Nigra, antennis nigris, pedibus piceis, alis sublimpidis, fusco bimaculatis basi albis.*

Body black, shining: eyes piceous: feelers and mouth black: legs piceous: wings nearly colourless, white at the base, each with a large brown spot on the fore border at two-thirds of the length from the base; wing-ribs and veins piceous, the latter yellow towards the base. Length of the body 1¾ line; of the wings 1½ line.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group II.

TACHYDROMIA arenaria. Tachypeza arenaria, *Hal. Ent. Mag.* i. 161. *Walk. Ent. Mag.* iii. 180. Tachydromia brevipennis? *Zett. Ins. Lapp.* 548, 8.

a. England. Presented by F. Walker, Esq.

TACHYDROMIA graminum, *Fall. Empid.* 15, 21. *Meig. Dipt.* iii. 72, 10. Tachypeza graminum, *Hal. Ent. Mag.* i. 161. *Walk. Ent. Mag.* iii. 180.

a. England. Presented by F. Walker, Esq.

PLATYPALPUS, *Macquart.*

PLATYPALPUS longicornis. Tachydromia longicornis, *Meig. Dipt.* iii. 73, 12.

a. England. Presented by F. Walker, Esq.

PLATYPALPUS nigritarsis. Tachydromia nigritarsis, *Fall. Empid.* 34, 1, 2. *Meig. Dipt.* iii. 13.

a. Alten, Finmark. Presented by F. Walker, Esq.

PLATYPALPUS pallipes. Tachydromia pallipes, *Fall. Empid.* 8, 6. *Meig. Dipt.* iii. 74, 14. *Zett. Ins. Lapp.* 553, 16?

a. France.

PLATYPALPUS niger, *Macq. Hist. Nat. Dipt.* i. 352, 3. Tachydromia nigra, *Meig. Dipt.* iii. 75, 16.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS nigrinus, Tachydromia nigrina, *Meig. Dipt.* iii. 76, 19.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS minutus, *Macq. Hist. Nat. Dipt.* i. 353, 7. Tachydromia minuta, *Meig. Dipt.* iii. 76, 20.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS annulatus, *Macq. Hist. Nat. Dipt.* i. 353, 10. Tachydromia annulata, *Fall. Empid.* 7, 2. *Meig. Dipt.* iii. 77, 22. *Zett. Ins. Lapp.* 552, 12.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS fulvipes. Tachydromia fulvipes, *Megerle, Meig. Dipt.* iii. 78, 25, vi. 342. T. fascipes, *Meig. Dipt.* iii. 78, 23.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS castanipes. Tachydromia castanipes, *Meig. Dipt.* iii. 79, 26.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS maculipes. Tachydromia maculipes, *Megerle, Meig. Dipt.* iii. 79, 27.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS albocapillatus. Tachydromia albocapillata, *Fall. Empid.* 9, 7. *Meig. Dipt.* iii. 79, 28.
a. France.

PLATYPALPUS exiguus. Tachydromia exigua, *Meig. Dipt.* iii. 81, 31.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS comptus, *Walk. Ent. Mag.* iv. 228.
a. England. Presented by F. Walker, Esq.
b. Alten, Finmark. Presented by F. Walker, Esq.

PLATYPALPUS flavipes, *Macq. Hist Nat. Dipt.* i. 354, 12. Empis flavipes, *Fabr. Ent. Syst.* iv. 406, 19. Tachydromia flavipes, *Fabr. Syst. Antl.* 142, 1. *Meig. Dipt.* iii. 81, 32. *Fall. Empid.* 6, 1, var. β. *Zett. Ins. Lapp.* 549, 1. T. vulgaris, *Meig. Klass. Zweif.* i. 237, 3. Sicus flavipes, *Latr. Gen. Crust.* vi. 304. *Kirby and Sp. Ins. Ent.* iii. 639, 69.

a. England. Presented by F. Walker, Esq.
b. France.
c. Hammerfest, Finmark. Presented by F. Walker, Esq.
d. ——— ? From Mr. Children's collection.

PLATYPALPUS bicolor, *Macq. Hist. Nat. Dipt.* i. 355, 18. Tachydromia bicolor, *Fabr. Syst. Antl.* 143, 2. *Meig. Dipt.* iii. 82, 34. *Zett. Ins. Lapp.* 549, 2. T. flavipes, *Fall. Dipt. Suec. Empid.* 6, 1. *Var.* antennis basi pallidis.
a. England. Presented by F. Walker, Esq.
b. France.

PLATYPALPUS dichroa. Tachydromia dichroa, *Meig. Dipt.* iii. 83, 36.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS flavicornis, *Macq. Hist. Nat. Dipt.* i. 355, 16. Tachydromia flavicornis, *Meig. Dipt.* iii. 83, 37.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS cursitans, *Macq. Hist. Nat. Dipt.* i. 355, 19. Musca cursitans, *Fabr. Sp. Ins.* ii. 447, 602. *Ent. Syst.* iv. 339, 114. Tachydromia cursitans, *Fabr. Syst. Antl.* 143, 3. *Meig. Dipt.* iii. 83, 38.
a. England. Presented by F. Walker, Esq.
b. France.

PLATYPALPUS ventralis. Tachydromia ventralis, *Megerle, Meig. Dipt.* iii. 85, 40.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS dissimilis. Tachydromia dissimilis, *Fall. Empid.* 9, 9. *Meig. Dipt.* iii. 85, 41.
a. England. Presented by F. Walker, Esq.
b. France.

PLATYPALPUS candicans. Tachydromia candicans, *Fall. Empid.* 10, 11. *Meig. Dipt.* iii. 85, 42. *Zett. Ins. Lapp.* 550, 7.
a. England. Presented by F. Walker, Esq.
b. France.

PLATYPALPUS fasciatus. Tachydromia fasciata, *Meig. Dipt.* iii. 86, 43, *pl.* 23, *f.* 22.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS ciliaris, *Fall. Empid.* 33, 1, 2. *Meig. Dipt.* iii. 86, 44.
a. England. Presented by F. Walker, Esq.

PLATYPALPUS pectoralis, *Macq. Hist. Nat. Dipt.* i. 356, 22. Tachydromia pectoralis, *Fall. Empid.* 9, 8. *Meig. Dipt.* iii. 87, 46.

a. France.

PLATYPALPUS calceatus, *Macq. Hist. Nat. Dipt.* i. 356, 20. Tachydromia calceata, *Meig. Dipt.* iii. 87, 45. *Zett. Ins. Lapp.* 550. 4. T. flavipes, var. γ. *Fall. Empid.* 6, 1.

a. England. Presented by F. Walker, Esq.

PLATYPALPUS luteus, *Macq. Hist. Nat. Dipt.* i. 356, 23. Tachydromia lutea, *Fall. Empid.* 10, 10. *Meig. Dipt.* iii. 89, 51. *Zett. Ins. Lapp.* 552, 11.

a. England. Presented by F. Walker, Esq.

b. France.

PLATYPALPUS articulatus, *Macq. Dipt. Nord.* 98, 10. *Hist. Nat. Dipt.* i. 354, 14. Tachydromia articulata, *Meig. Dipt.* vii. 98, 53, 66.

a. England. Presented by F. Walker, Esq.

b. France.

PLATYPALPUS, Bacis, n. s. *Ferrugineus, abdominis dorso piceo, antennis fulvis apice nigris, pedibus fulvis, posticis longis validis, alis limpidis.*

Body dark ferruginous: eyes dark red: lip tawny, as long as the head: feelers black; first and second joints dark tawny; third joint broad, nearly round; bristle very long, more than twice the length of all the preceding joints: abdomen piceous above: legs tawny, clothed with short black bristles; hind legs stout and long: wings colourless; wing-ribs ferruginous; veins piceous; poisers tawny. Length of the body 1½ line; of the wings 3 lines.

a. Jamaica. From Mr. Gosse's collection.

PLATYPALPUS Alexippus, n. s. *Cinereo-niger, antennis nigris, pedibus fulvis, femoribus intermediis validis, alis limpidis.*

Body black, covered with a gray bloom: feelers and mouth black: legs pale tawny; middle thighs thick: wings colourless; wing-ribs and veins piceous; poisers tawny. Length of the body ¾ line; of the wings 1½ line.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Drapetis, *Meigen.*

Drapetis exilis, *Megerle, Meig. Dipt.* iii. 91, 1, vi. 344. *Curt. Brit. Ent.* 397, 1. *Macq. Hist. Nat. Dipt.* i. 357, 1. *Zett. Ins. Lapp.* 554, 1. Tachydromia assimilis, *Fall. Dipt. Suec. Empid.* 8, 5, 34, 5.

a. England. Presented by F. Walker, Esq.

Drapetis nigra, *Meig. Dipt.* vi. 344, 2. *Curt. Brit. Ent.* 397, 2. *Macq. Hist. Nat. Dipt.* i. 358, 4.

a. England. Presented by F. Walker, Esq.

b. ———? From Mr. Children's collection.

c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Fam. XII. Inflatæ.

Cyrtus, *Latreille.*

Cyrtus magnus, n. s., mas, *Fulvus, thoracis disco fusco, abdominis fasciis ventreque nigris, antennis nigris basi fulvis, pedibus fulvis, tibiis posticis femoribusque piceis, alis subfulvis.*

Body dark brown, thickly clothed with short tawny hairs: eyes black, very hairy: feelers black, tawny at the base: scutcheon and sides of the chest tawny: abdomen tawny, much longer and broader than the chest; a short black band on the fore border of each segment; underside black: legs tawny, clothed with tawny down; thighs and hind shanks for the most part pitchy: wings slightly tawny; wing-ribs, veins, and poisers tawny: scales colourless, fringed with short tawny hairs. Length of the body 6 lines; of the wings 11 lines.

a. Georgia. From Mr. Abbot's collection.

Cyrtus gibbus, *Meig. Dipt.* iii. 92, 1, *pl.* 24, *f.* 1, 6. *Macq. Hist. Nat. Dipt.* i. 366, 1. Syrphus gibbus, *Fabr. Ent. Syst.* iv. 311, 120. Acrocera gibba, *Fabr. Syst. Antl.* 332, 1. *Meig. Klass. Zweif.* i. 149, *a.* Cyrtus acephalus, *Latr. Gen. Crust.* iv. 317. *Cons. Gén.* 443, *Coq. Icon. Ins. pl.* 26, *f.* 6.

a. South of France.

Acrocera, *Latreille.*

Acrocera sanguinea, *Latr. Gen. Crust.* iv. 318. *Schæff. Icon. pl.* 137, *f.* 2. *Meig. Dipt.* iii. 94, 1, *pl.* 24, *f.* 10. *Lam. Anim. sans Verteb.* iii. 414, *b.* *Macq. Hist. Nat. Dipt.* i. 369, 1. Henops globulus. Var. 2. *Fall. Stratiom.* 4, 3.
a. France.

Acrocera globulus, *Latr. Gen. Crust.* iv. 318. *Cons. Gén.* 443. *Meig. Dipt.* iii. 95, 3. *Lam. Anim. sans Verteb.* iii. 414, 2. *Macq. Hist. Nat. Dipt.* i. 369, 2. Syrphus globulus, *Panz. Faun. Germ.* 86, 20. Henops globulus, *Fall. Stratiom.* 3, 3.
a. England.
b. France.
c. ———? From Mr. Children's collection.

Acrocera albipes, *Meig. Dipt.* iii. 96, 4. Henops globulus. Var. *Fall. Stratiom.* 4, 3.
a. England.
b. France.
c. ———? From Mr. Children's collection.

Acrocera nigrina, *Westwood, Trans. Ent. Soc. Lond.* v. 4, 97.
a. Georgia. From Mr. Abbot's collection.

Acrocera bulla, *Westw. Trans. Ent. Soc. Lond.* v. 4, 98.
a. New York.

Acrocera subfasciata, *Westw. Trans. Ent. Soc. Lond.* v. 4, 98.
a. New York.

Acrocera unguiculata, *Westw. Trans. Ent. Soc. Lond.* v. 4, 98.
a. Georgia From Mr. Abbot's collection.

Acrocera fumipennis, *Westw. Trans. Ent. Soc. Lond.* v. 4, 98.
a. Georgia. From Mr. Abbot's collection.

Henops, *Illiger.*

Henops gibbosus, *Fabr. Syst. Antl.* 333, 1. *Meig. Dipt.* iii. 99, 1 *pl.* 24, *f.* 15. *Curt. Brit. Ent.* 110, 1. Musca gibbosa, *Linn. Faun. Suec.* 1815. *Gmel. Ed. Syst. Nat.* v. 2874, 49. Syrphus gibbosus, *Fabr. Sp. Ins.* ii. 432, 55. *Ent. Syst.* iv. 311, 121. Henops leucomelas, *Meig. Klass. Zweif.* i. 151, 2, *pl.* 8, *f.* 30. *Fall. Stratiom.* 3, 2. Acrocera gibbosa, *Lam. Anim. sans Verteb.* iii. 414, 3. Ogcodes gibbosus, *Latr. Gen. Crust.* iv. 318. *Cons. Gén.* 443.
a. France.

HENOPS marginatus, *Meig. Dipt.* iii. 100, 2, *pl.* 24, *f.* 12. *Curt. Brit. Ent.* 110, 2. Syrphus gibbosus, *Panz. Faun. Germ.* 44, 21. *Schæff. Icon. pl.* 200, *f.* 1. Henops gibbosus, *Meig. Klass. Zweif.* i. 151, 1. Ogcodes marginatus, *Macq. Hist. Nat. Dipt.* i. 368, 2.
a. England.
b. France.
c. ———? From Mr. Children's collection.

PTERODONTIA, *G. R. Gray.*

PTERODONTIA flavipes, *G. R. Gray, Griff. Anim. Kingd. Ins. pl.* 128, *f.* 3, *pl.* 34, *p.* 779. *Westw. Trans. Ent. Soc. Lond.* v. 4, 96.
a. Georgia. From Mr. Abbot's collection.

PTERODONTIA analis, *Westw. Trans. Ent. Soc. Lond.* v. 4, 97.
a. Georgia. From Mr. Abbot's collection.

PSILODERA, *G. R. Gray.*

PSILODERA capensis, *G. R. Gray, Griff. Anim. Kingd. Ins. pl.* 128, *f.* 4. *Westw. Trans. Ent. Soc. Lond.* v. 4, 92.
a. Cape. Presented by the Entomological Club.
b. Cape.

LASIA, *Wiedemann.*

LASIA flavitarsis, *Erichson, Westw. Trans. Ent. Soc. Lond.* v. 4, 92. Panops flavitarsis, *Wied. Auss. Zweif.* ii. 18, 1, *pl.* 9, *f.* 2, *a—c.* Lasia amethystina, *Perty. Delect. Anim. Artic.* 181, *pl.* 36, *f.* 7. Beris? violacea, *G. R. Gray, Griff. Anim. Kingd. Ins. pl.* 114, *f.* 2.
a. Brazil. From Mrs. Noel's collection.

Fam. XIII. STRATIOMYDÆ.

PACHYGASTER, *Meigen.*

PACHYGASTER ater, *Meig. Dipt.* iii. 102, 1. *Macq. Hist. Nat. Dipt.* i. 264, 1. Vappo ater, *Fabr. Syst. Antl.* 254, 1. *Latr. Gen. Crust.* iv. 278. *Cons. Gén.* 442. Nemotelus ater, *Panz. Faun. Germ.* 54, 5. Sargus pachygaster, *Fall. Stratiom.* 13, 1.
a. England.
b. France.

PACHYGASTER Leachi, *Stephens, Curt. Brit. Ent.* 42. P. pallipennis, *Macq. Hist. Nat. Dipt.* i. 265, 2, *pl.* 6, *f.* 14.
a. England. Presented by J. C. Dale, Esq.

HERMETIA, *Latreille.*

HERMETIA illucens, *Latr. Dict. d'Hist. Nat.* xxiv. 192, 54. *Hist. Crust. et Ins.* xiv. 338. *Gen. Crust. et Ins.* iv. 271. *Fabr. Syst. Antl.* 62, 1. *Wied. Auss. Zweif.* ii. 22, 1, *pl.* 7, *f.* 3. *Macq. Hist. Nat.* i. 228, 1. *Dipt. Exot.* i. 177, 1, *pl.* 21, *f.* 2. Musca illucens, *Linn. Syst. Nat.* ii. 979, 2. M. leucopa, *Linn. Syst. Nat.* ii. 983, 23. Nemotelus illucens, *Deg. Ins.* vi. 205, 3, *pl.* 29, *f.* 8. Bibio illucens, *Fabr. Mant.* ii. 328, 2. Syrphus leucopus, *Fabr. Mant. Ins.* ii. 338, 41. Mydas illucens, *Fabr. Ent. Syst.* iv. 253, 2. Xylophagus illucens, *Lam. Hist. Anim. sans Verteb.* iii. 355, 2.
a. Jamaica. From Mr. Gosse's collection.
b. Brazil. Presented by J. P. George Smith, Esq.
c. Brazil. Presented by Sir C. Stewart.
d. Para. Presented by Reginald Graham, Esq.
e. South America. From Mr. Warwick's collection.
f. Brazil. From Mr. Mornay's collection.
g. Brazil. Presented by O. Reilly, Esq.
h. Jamaica.
i. ———?

HERMETIA pulchra, *Wied. Auss. Zweif.* i. 24, 3.
a. Brazil. From Mr. Mornay's collection.

EUDMETA, *Wiedemann.*

EUDMETA marginata, *Wied. Auss. Zweif.* i. 43, 1, *pl.* 9, *f.* 4 *Macq. Hist. Nat. Dipt.* i. 259, 1, *pl.* 6, *f.* 10. *Dipt. Exot.* i. 194. Hermetia marginata, *Fabr. Syst. Antl.* 63, 3.
a. Java. From Mr. Argent's collection.

SARGUS, *Fabricius.*

Group I. CHRYSOCHLORA, *Latreille.*

SARGUS amethystinus, *Fabr. Syst. Antl.* 258, 13. *Wied. Auss. Zweif.* ii. 27, 1. Chrysochlora amethystina, *Latr. Regn. Anim.* v. 486. *Macq. Hist. Nat. Dipt.* i. 258, 1. *Dipt. Exot.* i. 198.
a. Isle of France.

SARGUS Andreas, n. s., fem. *Cyaneo-viridis, scutelli apice fulvo, abdomine cyaneo-nigro pilis canis bifasciato basi fulvo, antennis nigris, pedibus flavis, femoribus cyaneo-nigris, alis cinereis ad costam fusco maculatis.*

Head blue, broader than the chest, tawny in front: mouth yellow: feelers black: eyes dark red: chest and breast bluish green, clothed with short pale hairs; tip of the scutcheon tawny: abdomen bluish black; hind borders of the third and of the fourth segments adorned with bands of hoary hairs; second segment tawny: legs pale yellow; hips and thighs bluish black; tips of the latter tawny: wings gray, a small brown spot on the middle of each fore border; wing-ribs ferruginous; veins pitchy; poisers yellow. Length of the body 5 lines; of the wings 10 lines.

a. ——— ?

SARGUS annulipes, n. s., fem. *Purpureo-cyaneus, clypeo fulvo, antennis pedibusque nigris, femoribus apice tarsisque basi fulvis, tibiis basi flavis, alis fuscis ad costam nigro-fusco fasciatis.*

Body dark blue: head a little broader than the chest, clothed with short black hairs; clypeus tawny: eyes bronze; facets very small: mouth black: feelers black; first and second joints short, clothed with short black hairs; third joint very long, tapering from the base to the tip, nearly thrice the length of the first and second; bristle much shorter than the third joint: chest and abdomen very finely punctured, covered with tawny down: abdomen tinged with purple, nearly elliptical, a little longer and broader than the chest: legs black, clothed with hoary down; tips of thighs tawny; shanks yellow towards the base; feet tawny at the base: wings brown, each with a dark brown band a little beyond the middle of the fore border; wing-ribs and veins piceous; poisers yellow. Length of the body 4½ lines; of the wings 10 lines.

a. ——— ?

SARGUS vespertilio, *Fabr. Syst. Antl.* 259, 14. *Wied. Auss. Zweif.* ii. 29, 4. Chysochlora vespertilio, *Macq. Hist. Nat. Dipt.* i. 258, 2.

a. Venezuela. From Mr. Dyson's collection.

SARGUS Echemon, n. s., fem. *Flavus, capite fulvo, thoracis vittis duabus fuscis, abdomine fulvo vittis piceis, antennis fulvis, pedibus flavis, femoribus fulvis, alis fulvis apice fasciaque fuscis margine postico cinereo.*

Head tawny, a little broader than the chest: eyes pitchy, slightly bronzed; facets on the fore part of the crown rather larger

than those elsewhere: feelers tawny; bristle black; chest brown, clothed with tawny down, adorned with two yellow stripes, these are connected by two oblique bands with the sides, which like the breast are yellow: scutcheon yellow, fore border brown: abdomen bright tawny, elliptical, much longer and broader than the chest, paler at the base; a pitchy mark on the disk and on each side of every segment: legs yellow; hips and thighs tawny; tips of claws black: wings tawny, gray along the hind borders, brown at the tips, and adorned with a brown band across the middle; wing-ribs and veins tawny, the latter pitchy along the hind borders and at the tips; poisers tawny, with green knobs. Length of the body 6 lines; of the wings 15 lines.

a. Para. Presented by J. P. George Smith, Esq.

SARGUS Haterius, n. s., fem. *Flavus, thoracis vittis tribus fuscis, abdomine fusco fasciato, antennis fulvis, pedibus flavis, alis cinereis ad costam fulvis.*

Head yellow, with a brown stripe between the eyelets and the feelers, clothed with black hairs on the crown: eyes black; facets very small: feelers tawny; bristle black: chest brown, clothed with tawny down, adorned with two yellow stripes; sides and breast yellow; scutcheon yellow; fore border brown; abdomen yellow, clothed with tawny down, broader and a little longer than the chest; a broad irregular brown band on the fore border of each segment: legs yellow; tips of claws black: wings gray, tawny along the fore borders: wing-ribs and veins ferruginous; poisers yellow. Length of the body 7 lines; of the wings 15 lines.

a. Venezuela. From Mr. Dyson's collection.

Group II.

SARGUS gemmifer, n. s. *Cyaneo-viridis, abdomine cupreo, ventre purpureo, antennis pedibusque fulvis, his piceo vittatis, alis nigro-fuscis.*

Head piceous, shining, pale tawny beneath: eyes piceous; feelers tawny; bristle black: chest bright bluish green; breast less bright, varied with purple: abdomen brilliant copper colour; underside purple: legs tawny, striped with pitch colour, clothed with tawny down: wings blackish brown, paler along the hind borders; wing-ribs and veins black; poisers tawny. Length of the body 9 lines; of the wings 16 lines.

a. Silhet. From Mr. Sowerby's collection.

Sargus tenebrifer, n. s., fem. *Niger, clypeo flavo, scutelli margine postico fulvo, abdominis segmentorum marginibus posticis albo-pilosis, segmento 2° flavo maculis tribus nigris, antennis pedibusque nigris, tibiis anticis basi flavis, alis nigro-fuscis.*

Body black: head clothed with black hairs: clypeus yellow: eyes piceous; its facets rather larger in front than elsewhere: feelers black: chest finely punctured, clothed with tawny down; hind border of scutcheon tawny: abdomen oval, very convex, broader and longer than the chest, rather narrow towards the base; sides of the hind borders of the segments clothed with white hairs; second segment yellow, having above a large black spot in the middle, and a short black stripe on each side: legs black, clothed with black down; fore shanks yellow towards the base; wings blackish brown, with a slight tawny tinge along the fore borders; wing-ribs and veins black; poisers tawny. Length of the body 5—6 lines; of the wings 10—12 lines.

a. China. Presened by G. T. Lay, Esq.
b. ———?

Sargus metallinus, *Fabr. Syst. Antl.* 258, 11. *Wied. Auss. Zweif.* ii. 36, 16.
a. Nepaul. From the Hardwicke bequest.

Sargus stamineus, *Wied. Auss. Zweif.* i. 39, 21. Scæva staminea, *Fabr. Syst. Antl.* 253, 19.
a. Para. Presented by Reginald Graham, Esq.

Sargus elongatus. Musca elongata, *Fabr. Ent. Syst.* iv. 338, 109.
a. Sierra Leone. Presented by the Rev. D. F. Morgan.
b. West Africa. Presented by Sir E. Belcher.
c. ———?

Sargus testaceus, *Fabr. Syst. Antl.* 257, 6. *Wied. Auss. Zweif.* ii. 15. *Macq. Dipt. Exot.* i. 203, 5.
a. Brazil.
b. ———?

Sargus Alchidas, n. s., mas. *Viridis, abdomine cupreo pilis fulvis fasciato, antennis pedibusque fulvis, alis subfulvis.*

Head and chest bright green, clothed with short black hairs: head a little broader than the chest: eyes bronze; facets very small: mouth tawny: feelers pale tawny; bristle black: abdomen bright copper colour, varied with green, increasing in breadth from the base to the tip, narrower than the chest, and nearly twice its

length, clothed with tawny hairs, which are most thick on the hind borders of the segments: legs tawny: wings tinged with tawny; wing-ribs and veins tawny, some of the latter pitch-colour; poisers tawny. Length of the body 5 lines; of the wings 9 lines.

a. Jamaica. From Mr. Gosse's collection.

SARGUS Bagosas, n. s., mas. *Purpureus viridi varius, scutelli margine postico fulvo, abdomine pilis fulvis fasciato, antennis pedibusque fulvis, alis limpidis.*

Head and chest purple, varied with green: head a little broader than the chest; front tawny: mouth pale yellow: eyes bronze: feelers tawny; bristle black: chest clothed with tawny hairs; hind border of the scutcheon tawny: abdomen green, increasing in breadth from the base to the tip, as broad as the chest, and rather less than twice its length, clothed with tawny hairs, which are most thick on the hind borders of the segments: legs tawny: wings colourless; wing-ribs and veins piceous; poisers tawny. Length of the body 4 lines; of the wings 8 lines.

a. Jamaica. From Mr. Gosse's collection.

SARGUS cuprarius, *Fabr. Ent. Syst. Suppl.* 566, 1. *Syst. Antl.* 256, 3. *Latr. Gen. Crust.* iv. 278. *Cons. Gén.* 442. *Fall. Stratiom.* 15, 2. *Meig. Dipt.* iii. 106, 1. *Macq. Hist. Nat. Dipt.* i. 260, 1. *Zett. Ins. Lapp.* 576, 1. Musca cupraria, *Linn. Syst. Nat.* ii. 994. *Faun. Suec.* 1853. *Gmel. Ed. Syst. Nat.* v. 2849, 92. *Fabr. Sp. Ins.* ii. 446, 52. *Ent. Syst.* iv. 335, 96. *Geoff. Ins.* ii. 525, 61. *Schrank. Ins. Austr.* 994. *Stew. El.* 261. *Turt.* iii. 610. Nemotelus cuprarius, *Deg. Ins.* vi. 81, 16, *pl.* 12, *f.* 4. Rhagio politus? *Schrank. Faun. Boic.* iii. 2394. Musca indicus? *Harr. Ex.* 47, *pl.* 11, *f.* 77.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

SARGUS infuscatus, *Hoffmansegg, Meig. Dipt.* iii. 107, 3. *Macq. Hist. Nat. Dipt.* i. 261, 2. *Zett. Ins. Lapp.* 577, 2. S. auratus, *Meig. Klass. Zweif.* i. 143, 2.

a. England.
b. France.

SARGUS flavipes, *Meig. Dipt.* iii. 108, 5, *pl.* 25, *f.* 14. *Macq. Hist. Nat. Dipt.* i. 261, 4. *Zett. Ins. Lapp.* 577, 3.

a. England.
b. France.

Sargus Reaumuri, *Fabr. Syst, Antl.* 256, 2. (*Reaum. Ins.* iv. *pl.* 22, *f.* 5—8). *Meig. Dipt.* iii. 109, 6. *Curt. Brit. Ent.* 305. *Macq. Hist. Nat. Dipt.* i. 262, 6.

a. England.

b. France.

Group III. Chrysomyia, *Macquart.*

Sargus formosus, *Meig. Dipt.* iii. 110, 8. Musca aurata, *Fabr. Ent. Syst.* iv. 335, 96. *Gmel. Ed. Syst. Nat.* v. 2850, 218. *Don. Brit. Ins.* iv. 91, *pl.* 142, *f.* 1. *Stew. El.* ii. 261. *Turt.* iii. 610. M. cicur, *Harr. Ex.* 47, *pl.* 11, *f.* 88. M. formosa, *Schrank. Ins. Austr.* 899. Rhagio formosus, *Schrank. Faun. Boic.* iii. 2395. Sargus auratus, *Fabr. Ent. Syst. Suppl.* 566, 2. *Syst. Antl.* 257, 4. S. xanthopterus, *Fabr. Syst. Antl.* 255, 1. *Latr. Gen. Crust.* iv. 278. *Meig. Klass. Zweif.* i. 144, 5, *pl.* 8, *f.* 16—18. *Fall. Stratiom.* 14, 3. Nemotelus flavogeniculatus, *Deg. Ins.* vi. 81, 17. Chrysomyia formosa, *Macq. Hist. Nat. Dipt.* i. 263, 1.

a. England.

b. France.

Sargus sapphirinus, n. s., fem. *Purpureo-cyaneus, clypeo albo, antennis nigris, tibiis tarsisque piceis, tibiis subtus flavis, alis limpidis.*

Body bright blue, tinged with purple: head as broad as the chest; clypeus white: eyes dark bronze: mouth and feelers black: chest and abdomen finely punctured, thinly clothed with short hoary hairs: abdomen nearly elliptical, a little broader and longer than the chest: legs blue, clothed with short hoary hairs; shanks and feet piceous; shanks pale yellow beneath; wings colourless; wing-ribs and veins dark tawny; poisers pale tawny. Length of the body 4 lines; of the wings 7 lines.

a. East Indies. From Archdeacon Clerk's collection.

Sargus viridis, *Say, Journ. Acad. Phil.* iii. 87. *Wied. Auss. Zweif.* i. 39, 22.

a. Nova Scotia. From Mr. Children's collection.

Sargus politus, *Fabr. Ent. Syst. Suppl.* 556, 4. *Syst. Antl.* 257, 7. *Meig. Klass. Zweif.* i. 145, *a.* *Dipt.* iii. 111, 9. *Fall. Stratiom.* 14, 4. *Zett. Ins. Lapp.* 577, 4. Musca polita, *Linn. Syst. Nat.* ii. 894. *Faun. Suec.* 1854. *Gmel. Ed. Syst. Nat.* 2850, 93. *Fabr. Sp. Ins.* ii. 446, 53. *Ent. Syst.* iv. 335, 99, *Stew. El.* ii. 261. *Turt.* iii. 611. M. vitreus, *Harr. Ex.* 48,

pl. 11, *f.* 9, 10. Sargus cyaneus, *Fabr. Syst. Antl.* 258, 10. S. splendens, *Meig. Klass. Zweif.* i. 144, 4. Nemotelus auratus, *Deg. Ins.* vi. 81, 18. Chrysomyia polita, *Macq. Hist. Nat. Dipt.* i. 263, 3.

a. England.
b. France.
c. ———? From Mr. Children's collection.

Sargus flavicornis, *Meig. Dipt.* iii. 112, 10. Musca parvulus? *Harr. Ex.* 48, *pl.* 11, *f.* 11. Chrysomyia flavicornis, *Macq. Hist. Nat. Dipt.* i. 264, 4.

a. England.

Nemotelus, *Geoffroy.*

Nemotelus uliginosus, *Fabr. Ent. Syst.* iv. 269, 1. *Syst. Antl.* 87, 1. *Fall. Stratiom.* 5, 1. *Meig. Dipt.* iii. 114, 1, *pl.* 25, *f.* 19. *Curt. Brit. Ent.* 729, 1. *Macq. Hist. Nat. Dipt.* i. 265. 2, *pl.* 6, *f.* 15. Musca uliginosa, *Linn. Syst. Nat.* ii. 982. *Gmel. Ed. Syst. Nat.* v. 2836, 22. *Turt.* iii. 655. *Don. Brit. Ins.* xv. 31, *pl.* 519. Nemotelus, &c., *Geoff. Ins.* ii. 543, 2. Stratiomys mutica, *Fabr. Sp. Ins.* ii. 419, 14.

a. England.
b. France.

Nemotelus pantherinus, *Meig. Dipt.* iii. 115, 2, *pl.* 25, *f.* 20. *Curt. Brit. Ent.* 729, 2. *Macq. Hist. Nat. Dipt.* i. 265, 1. Musca pantherina, *Linn. Syst. Nat.* ii. 980. *Faun. Suec.* 1783. *Gmel. Ed. Syst. Nat.* v. 2830, 8. *Schell. Gen. Mouch. pl.* 25, *f.* 1. M. marginata, *Turt.* iii. 655. Stratiomys marginata, *Fabr. Sp. Ins.* ii. 419, 13. S. mutica, *Schrank. Faun. Boic.* iii. 2389. Nemotelus marginatus, *Fabr. Ent. Syst.* iv. 270, 3. *Syst. Antl.* 883. *Latr. Gen. Crust.* iv. 276. *Cons. Gén.* 442. *Panz. Faun. Germ.* xlvi. 22. Nemotelus, &c., *Geoff. Ins.* 543, 1, *pl.* 18, *f.* 4. Musca marginella, *Gmel. Ed. Syst. Nat.* v. 2836, 163. *Stew. El.* ii. 256. Nemotelus marginellus, *Fall. Stratiom.* 5, 2. N. uliginosus, *Latr. Gen. Crust.* iv. 276. *Cons. Gén.* 442. *Panz. Faun. Ins. Germ.* xlvi. 21. *Meig. Klass. Zweif.* i. 139, 1, *pl.* 7, 8, *f.* 8.

a. England.

Nemotelus nigrinus, *Fall. Stratiom.* 6, 3. *Meig. Dipt.* iii. 117, 5. *Curt. Brit. Ent.* 729. *Macq. Dipt. Nord.* 116, 3. *Hist. Nat. Dipt.* i. 266, 3. N. nigritus, *Panz. Faun. Germ.* 107, 17.

a. England.

NEMOTELUS carneus, *Barnston's MSS.*, fem. *Niger, antennis nigris, pedibus fulvis, femoribus nigris, tibiis nigro vittatis, alis albidis.*

Body black, shining: head a little narrower than the chest: eyes piceous: mouth and feelers black: scutcheon unarmed: abdomen much broader, but not longer than the chest: legs tawny; hips and thighs black; tips of thighs tawny; shanks striped with black: wings whitish; wing-ribs tawny; veins and poisers pale yellow. Length of the body 1½ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CLITELLARIA, *Meigen.*

Group I. *Scutcheon armed with spines.*

CLITELLARIA Ephippium, *Meig. Dipt.* iii. 122, 4. Stratiomys, Ephippium, *Fabr. Sp. Ins.* ii. 417, 2. *Ent. Syst.* iv. 264, 6. *Syst. Antl.* 79, 4. *Schrank. Faun. Boic.* iii. 2379. *Panz. Faun. Germ.* viii. 23. Musca, &c., *Geoff. Ins.* ii. 480, 3. *Schell. Gen. Mouch. pl.* 24, *f.* 1, 2. *Schæff. Icon. pl.* 47, *f.* 7. M. Ephippium, *Gmel. Ed. Syst. Nat.* v. 2834, 151. *Herbst Gem. Nat.* viii. *pl.* 339, *f.* 3. M. Inda, *Schrank. Ins. Austr.* 891. *Don. Brit. Ins.* xvi. 37, *pl.* 599. *Mill. Brit. Ent. pl.* 1, *f.* 6. Ephippium thoracicum, *Latr. Gen. Crust.* iv. 276. *Cons. Gén.* 442. *Encyl. pl.* 387, *f.* 27, 30. *Macq. Hist. Nat. Dipt.* i. 252, 1, *pl.* 6, *f.* 7.

a. England.
b. France.
c. Germany. From Mr. Walker's collection.

CLITELLARIA albicaput, n. s., mas. et fem. *Cyaneus, capite albo, scutello bidentato, antennis pedibusque nigris, alis purpureonigris.*

Body dark blue, with a purple tint: head ivory-white, smooth, shining, narrower than the chest, piceous about the eyelets; front clothed with white hairs: eyes convex, dark bronze, with one broad green band and two narrow bluish green bands: lip black, clothed with hoary hairs: feelers black; first and second joints clothed with short black hairs; second joint not half the length of the first; third joint linear, very long, more than twice the length of the first and the second: chest clothed with short black hairs; scutcheon armed with two stout teeth: abdomen a little longer than wide, very much broader, but not longer than the chest; intermediate segments of

moderate and nearly equal length: legs black or piceous, tinged with purple, clothed with short black hairs; feet sometimes tawny towards the base; foot-cushions tawny: wings black, with a purple tinge, slightly paler at the tips and along the hind borders; wing-ribs and veins black; poisers tawny. Length of the body 6—7 lines; of the wings 12—14 lines.

a. Para. Presented by Reginald Graham, Esq.
b. ———?

CLITELLARIA tenebrica, n. s., mas. *Nigra, thorace pilis canis bivittato, scutello bidentato, antennis pedibusque nigris, alis nigro-fuscis.*

Body black: head narrower than the chest, thickly clothed with short white hairs: mouth piceous: eyes piceous, thickly covered with hoary down: feelers black, covered with hoary down: chest bluish black, punctured, armed with a black tooth on each side, adorned with two stripes of hoary hairs; scutcheon armed with two long slightly curved teeth: breast clothed with hoary hairs: abdomen elliptical, flat, a little broader, but hardly longer than the chest, clothed with hoary hairs: legs black, clothed with short hoary hairs: wings blackish brown; borders paler towards the base; wing-ribs and veins black; poisers tawny, with pale yellow knobs. Length of the body 5—6 lines; of the wings 10—12 lines.

a. Java. From Mr. Argent's collection.

CLITELLARIA heminopla, *Wied. Zool. Mag.* iii. 30, 45. *Auss. Zweif.* ii. 48, 3.
a. Madras. Presented by Walter Elliott, Esq.

CLITELLARIA Anchialus, n. s., fem. *Cyanea, thorace lanugine alba trivittato, scutelli dentibus duabus nigris apice fulvis, antennis nigris pedibus cyaneo-nigris, genubus ferrugineis, tarsis piceis, alis limpidis.*

Body dark blue: head much narrower than the chest, clothed with white down: eyes red; facets rather small: mouth and feelers black, the latter much longer than the head: chest adorned with three stripes of white down; scutcheon armed with two black teeth, whose tips are tawny: breast partly clothed with white hairs: abdomen much broader, but not longer than the chest, clothed with short white hairs above, tinged with purple beneath; legs bluish black; knees ferruginous; feet piceous, tawny towards the base: wings colourless; wing-ribs ferruginous; veins black; poisers pale tawny. Length of the body 3½ lines; of the wings 7 lines.

a. Jamaica. From Mr. Gosse's collection.

CLITELLARIA Halula, n. s., fem. *Nigra, capite fulvo, abdominis lateribus fulvo pilosis, antennis piceis basi subtusque fulvis, pedibus rufis, tarsis anticis tibiisque posticis piceis, alis limpidis nigro-bifasciatis.*

Body black: head tawny, narrower than the chest, piceous about the eyelets: eyes bright red, covered with down: feelers tawny, piceous above from the third joint to the tips, which are also piceous beneath: chest clothed with short tawny hairs; scutcheon very prominent, armed with four short tawny teeth: abdomen very convex, nearly round, thickly and coarsely punctured, much shorter and broader than the chest, clothed on each side with short pale tawny hairs: legs red; fore feet and hind shanks piceous: wings colourless, each adorned with two short irregular black bands, extending from the fore borders to the disks; wing-ribs and poisers tawny; veins part piceous, part yellow. Length of the body 3 lines; of the wings 5½ lines.

a. Honduras. From Mr. Dyson's collection.

CLITELLARIA Amenides, n. s., mas. *Nigra, capite fulvo, scutelli dentibus duabus fulvis, antennis piceis basi fulvis, pedibus piceis, femoribus apice tarsisque fulvis, alis limpidis, costæ dimidio apicali fusco.*

Head tawny, much narrower than the chest: eyes piceous: mouth black: feelers piceous, tawny at the base: chest and breast black, thickly clothed with tawny down; scutcheon prominent, armed with two short tawny teeth: abdomen gibbous, black, a little shorter and much broader than the chest, clothed with short tawny hairs: legs pitch-colour; feet and tips of thighs tawny: wings colourless; wing-ribs, veins, and poisers tawny; wings brown along the fore borders from the middle to the tips. Length of the body 3 lines; of the wings 6 lines.

a. ———?

Group II. *Scutcheon unarmed.* Cyclogaster? *Macquart.*

CLITELLARIA Coprates, n. s., mas. *Nigra, thoracis vittis tribus fuscis, abdomine purpureo-cyaneo, lateribus albo-pubescentibus, antennis nigris, pedibus cyaneo-nigris, tarsis anterioribus fulvis, alis nigro-fuscis.*

Body black: head full as broad as the chest, clothed behind and beneath with short hoary hairs: eyes reddish bronze; facets o

moderate and equal size: mouth and feelers black, the latter linear, and full twice the length of the head: chest deep black, adorned with three broad stripes of brown down; scutcheon unarmed: abdomen purplish blue, adorned on each side towards the tip with patches of white down, rather broader than long, much wider and a little shorter than the chest: legs bluish black, clothed with tawny down; feet tawny, black towards the tips; hind feet black: wings blackish brown, darkest along the fore borders; wing-ribs and veins black; poisers piceous. Length of the body 4 lines; of the wings 8 lines.

a. ——— ? From Mr. Children's collection.

CLITELLARIA cuprea, n. s. *Cuprea, antennis pedibusque nigris, alis nigro-fuscis.*

Body bright copper-colour, shining, thickly clothed with short hoary hairs: head much narrower than the chest; eyes dark red, clothed with black down: mouth black, clothed with short black hairs: feelers black, short; first and second joints cup-shaped, of nearly equal length, beset with short black hairs; third joint conical till near the tip, where it is narrow and slightly curved, more than twice the length of the two preceding joints: abdomen convex, much broader, but not longer than the chest, its breadth slightly exceeding its length: legs black, clothed with hoary down: wings dark brown, especially along the fore borders; wing-ribs and veins black; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. West Australia. From Mr. Clifton's collection.

CLITELLARIA rufa, n. s. *Rufa, antennis pedibusque rufis, illis apice nigris, alis limpidis.*

Body red, shining, finely punctured, rather flat, almost hairless: head a little narrower than the chest: eyes and eyelets piceous: feelers black, nearly as long as the head, ending in a spine; first and second joints red, long, nearly equal in length: third and following joints short: abdomen flat, rather wider than long, shorter and very much broader than the chest: legs red: wings colourless; wing-ribs, veins, and poisers tawny. Length of the body 2½ lines; of the wings 4 lines.

a. ——— ? From Mr. Children's collection.

CLITELLARIA Cormasa, n. s., mas. *Nigra, antennis piceis basi fulvis, pedibus fulvis, alis cinereis.*

Body black, head as broad as the chest: eyes reddish bronze; facets large: feelers piceous; first joint tawny; second joint slightly

club-shaped, tawny at the base: mouth black: chest increasing in breadth from the fore border to the hind border: abdomen nearly elliptical, a little broader, but not longer than the chest: legs tawny: wings gray, darker along the fore borders; wing-ribs, veins, and poisers piceous. Length of the body 2¾ lines; of the wings 4 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Cyphomyia, *Wiedemann.*

Cyphomyia auriflamma, *Hoffmansegg*, *Wied. Anal. Ent.* 13, 4. *Zool. Mag.* iii. 54, 51. *Wied. Auss. Zweif.* ii. 54, 1. *Macq. Hist. Nat. Dipt.* i. 242, 2.

a. Brazil.

Cyphomyia cyanea, *Wied. Auss. Zweif.* i. 57, 7. *Macq. Hist. Nat. Dipt.* i. 242, 1, *pl.* 6, *f.* 3. Stratiomys cyanea, *Fabr. Ent. Syst.* iv. 265, 11. *Syst. Antl.* 80, 11. *Coq. Ill.* 100, *pl.* 23, *f.* 4.

a. Columbia. Presented by Capt. Friend.

Ptilocera, *Wiedemann.*

Ptilocera quadridentata, *Wied. Auss. Zweif.* ii. 59, 1, *pl.* 8, *f.* 4, *a—d*. *Jenson, Bull. Soc. Imp. Nat. Mosc.* iv. 321. *Macq. Hist. Nat. Dipt.* i. 240, 1, *pl.* 6, *f.* 1.

a. Java.

Ptilocera smaragdina, n. s. *Viridis cyaneo purpureoque varia, antennis nigris ramosis, pedibus nigris, alis nigro-fuscis.*

Head black, narrower than the chest: eyes pale bronze; facets very small: mouth black: feelers black, longer than the head, adorned on one side with four feathered branches, and with three on the other, ending in a spine, which is also feathered and has a knob at the tip: chest and abdomen thickly punctured: chest spangled with blue, purple and green; scutcheon armed with four black teeth: abdomen a little wider than long, broader and shorter than the chest, of the same colour, but less brilliant; sides and hind part thinly clothed with hoary hairs: breast and underside of abdomen more dull, clothed with hoary down: legs black: wings blackish brown, paler along the hind borders, a dull tawny band across each fore border; wing-ribs, veins, and poisers black. Length of the body 4 lines; of the wings 7 lines.

a. Philippine Islands. From Mr. Cuming's collection.

ACROCHÆTA, *Wiedemann.*

ACROCHÆTA elegans, *Perty, Del. Anim. Artic.* 184, *pl.* 36, *f.* 15.
a. Brazil. Presented by J. P. George Smith, Esq.
b. ———?

ACROCHÆTA Aleus, n. s., mas. *Niger, thoracis maculis duabus flavis, scutelli dentibus duabus ferrugineis, pectore cinereo, abdominis segmentorum marginibus posticis flavis, ventre flavo albo pubescente, antennis nigris basi fulvis, pedibus fulvis femoribus nigris, alis subfulvis, ad costam fulvis fusco cinereoque variis.*

Head as broad as the chest, clothed on the crown, on the front and beneath with short white silvery hairs: eyes reddish bronze, meeting above; facets very small: hypostoma dark tawny, shining: lip black, shining: feelers black, a little more than twice the length of the head; first joint long, tawny, black at the tip; second joint very short; third joint broader, and slightly increasing in breadth from the base to the tip; fourth joint very small: chest black, clothed with short pale brown hairs, adorned with a pale yellow spot on each side behind; scutcheon armed with two ferruginous teeth: breast gray, thickly clothed with short white silvery hairs: abdomen velvet-black, broader, but hardly longer than the chest; hind borders of the segments yellow, especially on each side; underside yellow, thickly covered with white silvery down; first and second segments short; third, fourth, and fifth segments large: legs tawny, covered with white down; hips and thighs black: wings with a slight tawny tinge, dark tawny mixed with brownish gray for some breadth along the fore borders; wing-ribs ferruginous; veins piceous, ferruginous towards the base; poisers ferruginous. Length of the body 4½ lines; of the wings 10 lines.

a. Brazil. Presented by J. P. George Smith, Esq.

ALLIOCERA, *Saunders.*

ALLIOCERA Græca, *Saunders, Trans. Ent. Soc. Lond.* iv. 62, *pl.* 4, *f.* 1.
a. Albania. Presented by W. W. Saunders, Esq.

OXYCERA, *Meigen.*

OXYCERA Hypoleon, *Staeger, Ent. Zeit. Stettin.* v. 409, 1. Musca hypoleon, *Linn. Syst. Nat. Ed.* xii. 1, 2, 980, 7. *Geoff. Ins.* ii. 418, 6. *Don. Brit. Ins.* v. 6, *pl.* 146, *f.* 3. *Stew. El.* ii.

256. *Turt.* iii. 631. M. tardigradus, *Harr. Ex.* 46, *pl.* 11, *f.* 6. Stratiomys hypoleon, *Schrank. Faun. Boic.* 2, 96, 2385? *Fabr. Syst. Antl.* 85, 29? Oxycera pulchella, *Meig. Dipt.* iii. 125, 2, *pl.* 25, *f.* 20. *Macq. Dipt. Nord.* 118, 2. *Hist. Nat. Dipt.* i. 249, 1. O. hypoleon, *Meig. Klass. Zweif.* i. 137, 1, *pl.* 8, *f.* 3.

a. England.

b. ——? From Mr. Children's collection.

Oxycera trilineata, *Latr. Gen. Crust.* iv. 278. *Meig. Dipt.* iii. 126, 3. *Macq. Hist. Nat. Dipt.* i. 250, 3. Musca pantherina, *Linn. Faun. Suec.* 1783. M. trilineata, *Linn. Syst. Nat.* ii. 980. *Gmel. Ed. Syst. Nat.* v. 2835, 6. *Don. Brit. Ins.* v. 25, *pl.* 151, *f.* 5. *Stew. El.* ii. 256. *Turt.* iii. 630. M. &c., *Geoff. Ins.* ii. 482, 7. Stratiomys trilineata, *Fabr. Sp. Ins.* ii. 418, 9. *Ent. Syst.* iv. 267, 19. *Syst. Antl.* 85, 28. *Schrank. Faun. Boic.* iii. 2386. *Perty. Faun. Germ.* i. 13. *Fall. Stratiom.* ii. 8.

a. England.

b. France.

c. France. Presented by F. Walker, Esq.

Oxycera muscaria, *Meig. Dipt.* iii. 126, 4. *Macq. Hist. Nat. Dipt.* i. 251, 6. Stratiomys muscaria, *Fabr. Ent. Syst.* iv. 268, 21. *Syst. Antl.* 86, 31. *Panz. Faun. Germ.* cviii. 15, 16.

a. England. Presented by J. C. Dale, Esq.

b. France.

Oxycera formosa, *Wiedemann, Meig. Dipt.* iii. 127, 5. *Macq. Hist. Nat. Dipt.* i. 250, 4.

a. England. Presented by J. C. Dale, Esq.

Oxycera pygmæa, *Meig. Dipt.* iii. 129, 7. Stratiomys pygmæa, *Fall. Stratiom.* 11, 9.

a. England. Presented by J. C. Dale, Esq.

Oxycera terminata, *Meig. Dipt.* iii. 130, 9.

a. England. Presented by J. C. Dale, Esq.

Oxycera analis, *Meig. Dipt.* iii. 130, 10.

a. England. Presented by J. C. Dale, Esq.

OXYCERA Liburna, n. s., mas. *Nigro-cyanea, scutello quadridentato, antennis pedibusque nigris, genubus tarsisque fulvis, alis limpidis.*

Body very dark blue: head nearly as broad as the chest: eyes bright red: mouth and feelers black; bristle of the latter nearly as long as all the preceding joints: scutcheon armed with four teeth: legs black; knees and feet tawny: wings colourless; wing-ribs and veins tawny, some of the latter piceous; poisers tawny. Length of the body 2½ lines; of the wing 5—6 lines.

a. Jamaica. From Mr. Gosse's collection.

STRATIOMYS, *Geoffroy.*

STRATIOMYS chamæleon, *Fabr. Sp. Ins.* ii. 416, 1. *Ent. Syst.* iv. 263, 3. *Syst. Antl.* 77, 1. *Schæff. Icon. pl.* 59, *f.* 3. *Schrank. Faun. Boic.* iii. 2376. *Ins. Austr.* 886. *Panz. Faun. Germ.* viii. 24. *Latr. Gen. Crust.* iv. 274. *Cons. Gén.* 442. *Fall. Stratiom.* 7, 1. *Meig. Klass. Zweif.* i. 126, 4, *pl.* 7, *f.* 19. *Dipt.* iii. 134, 1. *Macq. Hist. Nat. Dipt.* i. 243, 1. Musca chamæleon, *Linn. Faun. Suec.* 1780. *Gmel. Ed. Syst. Nat.* v. 2833, 3. *Deg. Ins.* vi. 64, 1. *Berk. Syn.* i. 162. *Don. Brit. Ins.* i. 67, *pl.* 31, *f.* 1, *pl.* 35. *Stew. El.* ii. 256. *Turt.* iii. 628. *Shaw, Gen. Zool.* vi. 379, *pl.* 105. Musca, &c., *Geoff. Ins.* ii. 479, 1. Stratiomys nigrodentata, *Meig. Klass. Zweif.* i. 127, 5, *pl.* 7, *f.* 19.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

STRATIOMYS Potamida, *Meig. Dipt.* iii. 136, 3. *Macq. Hist. Nat. Dipt.* i. 243, 2, *pl.* 6, *f.* 4. S. chamæleon, mas., *Meig. Klass. Zweif.* i. 126, 4, *pl.* 7, *f.* 18.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

STRATIOMYS furcata, *Fabr. Ent. Syst.* iv. 264, 5. *Syst. Antl.* 78, 3. *Meig. Dipt.* iii. 138, 5, *pl.* 26, *f.* 12. *Macq. Hist. Nat. Dipt.* i. 244, 5. S. panthaleon, *Fall. Stratiom.* 7, 2. Musca singularius? *Harr. Ex.* 45, *pl.* 11, *f.* 3.

a. England.
b. France.

STRATIOMYS strigata, *Fabr. Sp. Ins.* ii. 417, 4. *Ent. Syst.* iv. 265, 10. *Syst. Antl.* 80, 9. *Schæff. Icon. pl.* 14, *f.* 10. *Schrank. Faun. Boic.* iii. 2377. *Panz. Faun. Germ.* xii. 20. *Latr. Gen. Crust.* iv. 274. *Meig. Dipt.* iii. 139, 7. *Macq. Hist. Nat. Dipt.* i. 244, 7. S. thoracica, *Fabr. Syst. Antl.* 79, 7. S. villosa, *Meig. Klass. Zweif.* i. 125, 1. S. nubeculosa, *Meig. Klass. Zweif.* i. 125, 3. Musca strigata, *Gmel. Ed. Syst. Nat.* v. 2834, 153. Musca, &c., *Geoff. Ins.* ii. 480, 2. Hirtea longicornis, *Scop. Ent. Carn.* 999.

a. England.
b. France.
c. Albania. Presented by W. W. Saunders, Esq.

STRATIOMYS annulata, *Megerle. Meig. Dipt.* iii. 143, 11.
a. Tunis. From Mr. Fraser's collection.

STRATIOMYS Badius, n. s., mas. et fem. *Nigra, capite maculis duabus flavis*, fem. *fulvo scutelli margine fulvo, abdominis fasciis lateribus vittaque apicali flavis antennis nigris, pedibus flavis, femoribus nigris, alis fuscis.*

Male.—Body black: head nearly as broad as the chest, thickly clothed beneath and in front with pale tawny hairs, beset between the eyes with black hairs: a large yellow spot on each side of the front: eyes black; facets of the lower part of the front much smaller than those of the other part, the passage from the facets of one size to those of the other is abrupt and strongly marked: mouth and feelers black: chest and breast clothed with tawny hairs: hind border of the scutcheon tawny, armed with two pale ferruginous teeth with black tips: abdomen nearly oval, a little broader and longer than the chest, clothed above with short black hairs, beneath and at the tip with short tawny hairs: sides and hind borders of the segments yellow; two of these bands are interrupted, and there is a short yellow stripe at the tip of the abdomen: legs pale tawny, clothed with tawny hairs; hips, thighs, and tips of claws black: wings brown, darker along the fore borders; wing-ribs piceous; veins and poisers ferruginous. *Fem.*—Head tawny; crown black, with a yellow spot on each side: only one band of the abdomen interrupted. Length of the body 5—6 lines; of the wings 10—12 lines.
a. New Holland. Presented by the Entomological Club.

STRATIOMYS ischiaca, *Harris, Catalogue Ins. Massachusetts.* Fem. *Nigra, capite fulvo maculis nigris, scutello fulvo, abdominis fasciis lateribus vittaque apicali fulvis, antennis nigris, pedibus fulvis, femoribus nigro maculatis, alis fuscis.*

Body black: head tawny, nearly as broad as the chest, clothed with pale yellow hairs; crown adorned with a black stripe and two

black bands: eyes black, convex; facets very small; those along the side borders rather larger: mouth and feelers black: chest clothed with pale tawny hairs, adorned with two indistinct whitish stripes; scutcheon tawny, armed with two tawny teeth; breast and underside with short tawny hairs, adorned with a short tawny stripe at its tip; sides and hind borders of the segments tawny; first band interrupted above: legs tawny, clothed with short tawny hairs; thighs with a black spot on each side; claws black: wings brown, darker along the fore borders; wing-ribs piceous; veins ferruginous; poisers tawny, with apple-green knobs. Length of the body 6 lines; of the wings 11 lines.

a. United States. Presented by the Entomological Club.

STRATIOMYS norma, *Wied. Auss. Zweif.* ii. 62, 3.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

b. Nova Scotia. From Lieut. Redman's collection.

STRATIOMYS Barca, n. s., mas. *Nigra, scutelli dentibus duabus fulvis apicè nigris, abdominis fasciis fulvis supra interruptis vittaque apicali fulva, antennis pedibusque nigris, tibiis piceis, tarsis fulvis, alis fusco-fulvis.*

Body black: head narrower than the chest, thickly clothed in front and beneath with golden hairs: eyes piceous, thin, facets very small; those of the fore part larger: mouth black, clothed with short pale tawny hairs: feelers black, full twice the length of the head: chest finely punctured, clothed with short ferruginous hairs; breast clothed with pale tawny hairs; scutcheon armed with two tawny teeth, whose tips are black: abdomen rather thick, clothed with tawny hairs, a little broader and longer than the chest; hind borders of the segments tawny beneath, and on each side above: a short tawny stripe on the tip of the abdomen: legs clothed with tawny hairs; hips and thighs black; shanks piceous; knees and feet tawny: wings brownish tawny; wing-ribs and fore border veins piceous; other veins and poisers tawny. *Fem.*—Head clothed with whitish hairs: chest clothed with pale tawny hairs; hind border and teeth of the scutcheon tawny: shanks tawny. Length of the body 5—6 lines; of the wings 9—10 lines.

a. China. Presented by G. T. Lay, Esq.

STRATIOMYS Nymphis, n. s., mas. *Nigra, scutello flavo, abdominis fasciis fulvis supra interruptis, antennis nigris, pedibus fulvis, femoribus nigris, alis limpidis.*

Body black: head nearly as broad as the chest, thickly clothed beneath with pale yellow hairs: eyes bronze-black; facets small,

those of a little part on each side very small: mouth and feelers black, the latter a little longer than the head; tip of the second joint piceous: chest and breast clothed with pale yellow hairs; scutcheon yellow, armed with two yellow teeth, whose tips are ferruginous: abdomen a little broader, but hardly longer than the chest, thinly clothed with short pale yellow hairs; hind border of each segment adorned above with a broad short tawny band on each side, and beneath with an entire band; tip tawny: legs tawny, clothed with short yellow hairs; hips and thighs black; tips of the latter tawny: wings colourless, slightly tawny along the fore borders; wing-ribs, fore border-veins, and cross-veins tawny; the other veins yellow; poisers tawny. *Fem.*—Head tawny; crown black. Length of the body 5—6 lines; of the wings 9—11 lines.

Var. β. *Fem.*—Thighs tawny, each adorned with two black bands.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

STRATIOMYS nigrifrons, n. s., mas. *Nigra, scutelli margine postico flavo, abdominis lateribus maculisque ad apicem duabus flavis, ventris fasciis flavis, antennis pedibusque nigris, tibiis apice tarsisque fulvis, alis fuscis.*

Body black: head as broad as the chest, clothed with tawny hairs: eyes black; a small part on each side composed of very small facets: mouth and feelers black: chest and breast clothed with dark tawny hairs; hind border of the scutcheon yellow, armed with two tawny spines: abdomen nearly oval, a little broader and longer than the chest, thinly clothed with short tawny hairs, yellow on each side, and adorned with a yellow spot on each of the two last segments; hind border of each segment on the underside adorned with a yellow stripe, which is widened in the middle: legs black, clothed with short tawny hairs; shanks tawny towards the base; feet tawny; hind shanks tawny, with two black bands: wings brown; wing-ribs piceous; veins ferruginous; poisers tawny, with apple-green knobs. *Fem.*—All the facets of she eyes very small: hind border of the scutcheon tawny: sides and hind borders of the segments of the abdomen tawny, its upper side also adorned with a short tawny stripe at the tip, and with a large tawny spot on each side of the base: feet piceous above; claws black, tawny at the base; knobs of poisers tawny. Length of the body 6—6½ lines; of the wings 10—11 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

STRATIOMYS Meigenii, *Wied. Auss. Zweif.* ii. 61, 2, *pl.* 8, *f.* 7.
a. New York. Presented by E. Doubleday, Esq.

ODONTOMYIA, *Latreille.*

ODONTOMYIA pulchra, *Wied. Anal. Ent.* 28, 32. *Auss. Zweif.* ii. 65, 6, *pl.* 8, *f.* 5, *a*, *b*.
a. Brazil. Presented by Sir C. Stewart.
b. ———?

ODONTOMYIA vertebrata, *Say, Long's Exped.* 369. Stratiomys vertebrata, *Wied. Auss. Zweif.* i. 73, 20.
a. Nova Scotia. From Lieut. Redman's collection.

ODONTOMYIA microleon, *Latr. Gen. Crust.* iv. 274. *Fall. Stratiom.* 8, 3. Musca microleon, *Linn. Faun. Suec.* 178, 1. *Gmel. Ed. Syst. Nat.* v. 2834, 4. *Deg. Ins.* vi. 64, 2, *pl.* 9, *f.* 1, 2. *Schrank. Ins. Austr.* 887. Stratiomys microleon, *Fabr. Sp. Ins.* 417, 3. *Ent. Syst.* iv. 265, 9. *Syst. Antl.* 80, 8. *Meig. Dipt.* iii. 140, 8.
a. England.

ODONTOMYIA Garatas, n. s., fem. *Cinerea, capite fulvo subtus flavo, scutello flavo bidentato, abdomine flavo fasciato, antennis piceis basi fulvis, pedibus fulvis, alis albidis.*

Head tawny, nearly as broad as the chest, yellow beneath; front prominent; eyes piceous; facets very small: mouth black, hairy: feelers piceous; first and second joints tawny: chest and breast gray, clothed with short bright tawny hairs; scutcheon yellow, armed with two short teeth: abdomen yellow, broader, but hardly longer than the chest; fore border of each segment adorned with a broad black band, whose hind border is angular, and differs from those of the other bands: legs tawny; feet pitchy towards the tips: wings whitish; wing-ribs, veins, and poisers tawny. Length of the body 4½—5½ lines; of the wings 7—9 lines.

a. China. Presented by G. T. Lay, Esq.

ODONTOMYIA Lutatius, n. s., fem. *Nigra, capite subtus fulvo, scutelli margine postico fulvo bidentato, abdomine ferrugineo, antennis rufis, pedibus fulvis, alis albidis.*

Body black, clothed with short golden hairs: head full as broad as the chest; front and underside tawny: eyes piceous; facets very small: mouth black: feelers pale red; tips piceous: scutcheon hairless; hind border tawny, armed with two short teeth:

abdomen pale ferruginous, a little broader, but not longer than the chest: legs tawny; hips mostly black; tips of feet piceous: wings whitish; wing-ribs, veins, and poisers tawny. Length of the body 5 lines; of the wings 9 lines.

a. ———?

ODONTOMYIA Ialemus, n. s., mas. *Nigra, capite fulvo, scutelli margine postico fulvo bidentato, abdomine flavo, vitta lata dorsali nigra, antennis rufis apice nigris, pedibus fulvis, alis albidis.*

Head tawny, full as broad as the chest, clothed beneath with white hairs; hypostoma pale yellow: eyes reddish bronze, convex, their facets of moderate size; small part in front flat, composed of very small facets: mouth black: feelers pale red, with black tips: chest and breast black, thickly clothed with tawny hairs; hind border of the scutcheon tawny, armed with two tawny teeth: abdomen yellow, a little broader, but not longer than the chest, clothed with short shining white hairs; a very broad black stripe occupies most of the disk of the back: legs tawny; thighs clothed with white hairs; feet piceous towards the tips: wings whitish; wing-ribs and veins tawny; poisers tawny, with apple-green knobs. Length of the body 4½—5 lines; of the wings 8—9 lines.

a. Van Dieman's Land. Presented by the Rev. T. Ewing.

ODONTOMYIA Hydrodromia, *Macq. Hist. Nat. Dipt.* i. 247, 7. Stratiomys Hydrodromia, *Meig. Dipt.* iii. 146, 15.

a. ———?

b. ———?

ODONTOMYIA Balius, n. s., mas. et fem. *Nigra, abdominis lateribus albo trifasciatis, apice albo, antennis pedibusque nigris, alis subcinereis ad costam subfuscis.*

Body black: head and chest thickly clothed with pale dull tawny hairs: mouth, feelers and eyes black, the latter very hairy: abdomen hardly longer than broad, a little longer and much broader than the chest, more thinly clothed with shorter and brighter tawny hairs, adorned with three white cross streaks on each side of the hind borders of the segments, and with a white tip; underside black: legs black, clothed with pale short tawny hairs; feet covered beneath with ferruginous hairs; foot-cushions pale tawny; claws red, with black tips: wings slightly gray, tinged with brown along the fore borders for more than half the length; wing-ribs pitchy; veins tawny; poisers white. Length of the body 4—4½ lines; of the wings 8—9 lines.

a. Albania. Presented by W. W. Saunders, Esq.

b. France.

c. ———?

ODONTOMYIA pallipes, *Fabr. Ent. Syst.* iv. 265, 12. *Syst. Antl.* 81, 13. *Wied. Auss. Zweif.* i. 76, 26.
a. New York. Presented by the Entomological Club.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ODONTOMYIA intermedia, *Wied. Auss. Zweif.* i. 64, 5.
a. New York. Presented by the Entomological Club.
b. Trenton Falls. Presented by E. Doubleday, Esq.
c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
d. Nova Scotia. From Lieut. Redman's collection.

ODONTOMYIA argentata, *Fabr. Ent. Syst.* iv. 266, 15. *Syst. Antl.* 82, 17. *Panz. Faun. Germ.* lxxi. 20, cviii. 10. *Fall. Stratiom.* 95. *Meig. Dipt.* iii. 141, 9. *Macq. Hist. Nat. Dipt.* i. 246, 4, *pl.* 6, *f.* 5. *Latr. Gen. Crust.* iv. *Meig. Klass. Zweif.* i. 131, *a*.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

ODONTOMYIA splendens. Stratiomys splendens, *Fabr. Ent. Syst.* iv. 264, 4. *Syst. Antl.* 78, 2. *Coq. Ill.* 116, *pl.* 26, *f.* 2. *Meig. Klass. Zweif.* i. 127, *a*. *Dipt.* iii. 142, 10.
a. ——— ? From Mr. Children's collection.

ODONTOMYIA tigrina, *Macq. Hist. Nat. Dipt.* i. 246, 6. Stratiomys tigrina, *Fabr. Sp. Ins.* ii. 417, 6. *Ent. Syst.* iv. 267, 16. *Syst. Antl.* 82, 18. *Schrank. Faun. Boic.* iii. 2381. *Panz. Faun. Germ.* lviii. 20. *Meig. Dipt.* iii. 152, 22. Musca tigrina, *Gmel. Ed. Syst. Nat.* v. 2835, 157. Musca, &c., *Geoff. Ins.* ii. 481, 5. Odontomyia tigrina, *Latr. Gen. Crust.* iv. 275. *Meig. Klass. Zweif.* i. 130, 3. Stratiomys nigrita, *Fall. Stratiom.* 9, 4.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

ODONTOMYIA ornata. O. furcata, *Meig. Klass. Zweif.* i. 129, 1. *Latr. Gen. Crust.* iv. 275. *Reaum. Ins.* iv. *pl.* 24, *f.* 4—7. *Rösel. Ins.* ii. *Musc. pl.* 5 ? Stratiomys ornata, *Meig. Dipt.* iii. 144, 13.
a. England.

ODONTOMYIA Hydroleon, *Meig. Klass. Zweif.* i. 131, c. *Latr. Gen. Crust.* iv. 275. *Macq. Hist. Nat. Dipt.* i. 247, 9. O. angulata, *Meig. Klass. Zweif.* i. 133, *h.* Musca Hydroleon, *Linn. Faun. Suec.* 1782. *Gmel. Ed. Syst. Nat.* v. 2835, 5. *Deg. Ins.* vi. 65, 3, *pl.* 9, *f.* 4. *Geoff. Ins.* ii. 481, 4. *Schell. Gen. Mouch. pl.* 24, *f.* 3. *Schrank, Faun. Boic.* iii. 2382. *Ins. Austr.* 888. Stratiomys Hydroleon, *Sp. Ins.* ii. 417, 7. *Ent. Syst.* iv. 267, 17. *Syst. Antl.* 82, 19. *Fall. Stratiom.* 84. *Panz. Faun. Germ.* vii. 21. *Meig. Dipt.* iii. 148, 17. S. angulata, *Panz. Faun. Germ.* lviii. 19.

a. England.
b. ——— ?

ODONTOMYIA viridula, *Latr. Gen. Crust.* iv. 275. *Cons. Gén.* 442. *Meig. Klass. Zweif.* i. 133, *g.* *Macq. Hist. Nat. Dipt.* i. 247, 10. Stratiomys viridula, *Fabr. Sp. Ins.* ii. 418, 8. *Ent. Syst.* iv. 267, 18. *Syst. Antl.* 84, 25. *Panz. Faun. Germ.* lviii. 18. *Schrank. Faun. Boic.* iii. 238. *Fall. Stratiom.* 10, 6. *Meig. Dipt.* iii. 149. S. marginata, *Fabr. Syst. Antl.* 84, 27. S. canina, *Panz. Faun. Germ.* lviii. 18. Musca viridula, *Gmel. Ed. Syst. Nat.* v. 2835, 158. *Schæff. Icon. pl.* 14, *f.* 14. Odontomyia dentata, *Meig. Klass. Zweif.* i. 130, 2. O. canina, *Meig. Klass. Zweif.* i. 132, *e.*

a. England.
b. France.
c. Ukraine. Presented by Dr. Dowler.
d. ——— ? From Mr. Children's collection.

ODONTOMYIA Amyris, n. s. *Niger, capite subtus pectoreque fulvis, scutello flavo bidentato, abdominis lateribus ventreque flavis, antennis fulvis apice piceis, pedibus fulvis, alis limpidis.*

Body black: head tawny beneath, full as broad as the chest, metallic green on each side behind the eyes: eyes bright red: mouth black: feelers piceous, tawny beneath; first and second joints tawny; bristle black: chest clothed with short tawny hairs; breast tawny; scutcheon yellow, armed with two short yellow teeth: abdomen black, rather longer than broad, wider and a little longer than the chest; sides and underside yellow: legs tawny: wings colourless; wing-ribs, fore borders, veins, and poisers tawny. Length of the body 3½ lines; of the wings 6 lines.

a. New Holland. Presented by the Haslar Hospital.

ODONTOMYIA dorsalis, *White, Zool. Voy. Erebus and Terror.* Fem. *Nigra, capite piceo, pectore fulvo, scutello viridi, abdominis lateribus viridibus, antennis piceis, pedibus fulvis, alis albidis.*

Head piceous, and clothed with short tawny hairs above, green in front and beneath: eyes piceous: mouth black: feelers piceous: chest black: breast tawny; scutcheon apple-green, unarmed: abdomen black, broader, but not longer than the chest; sides green, of a deeper hue than that of the scutcheon: legs tawny: wings whitish; wing-ribs tawny; veins yellow; poisers tawny, with green knobs. Length of the body 3 lines; of the wings 6 lines.

a. New Zealand. Presented by Dr. Sinclair.

ODONTOMYIA Paron, n. s., mas. *Nigra,* (mas.) *aut nigro-ænea* (fem.) *scutelli dentibus duabus fulvis, abdominis lateribus ventreque fulvis aut flavis aut viridibus, antennis nigris basi rufis, pedibus fulvis, alis albidis.*

Male.—Body black: head as broad as the chest, clothed in front with short whitish hairs, red about the feelers: eyes reddish bronze; facets of the fore part larger than those elsewhere: mouth black: feelers black, red at the base: chest and breast thickly clothed with tawny hairs: scutcheon armed with two tawny teeth: sides and underside of abdomen tawny, sometimes yellow and tinged with green: legs tawny; wings whitish; wing-ribs tawny; veins yellow; poisers tawny, with apple-green knobs. *Fem.*—Head and chest bronzed: head black about the base of the feelers. Length of the body 3 lines; of the wings 6 lines.

a. New York Presented by the Entomological Club.
b. New York. Presented by E. Doubleday, Esq.
c. Trenton Falls. Presented by E. Doubleday, Esq.

ODONTOMYIA maculifrons, n. s. *Niger, capite viridi, nigro maculato, thorace pectoreque flavo-marginatis, scutello viridi dentibus duabus flavis armato, abdomine flavo, disco nigro, antennis fulvis apice piceis, pedibus flavis, femoribus nigro fasciatis, alis limpidis.*

Head apple-green, full as broad as the chest, smooth, shining, adorned with five pair of black marks; first pair forming a short band on each side of the eyelets; second pair forming more slender curved bands; third and fifth pair forming four dots; fourth pair forming two larger spots: eyes and eyelets piceous, the former with a band across the middle: mouth black: feelers piceous, longer than the head; first and second joints tawny, long; first joint shining; third and following joints short: chest black, clothed with

tawny hairs, adorned on each side with a yellow stripe, which is narrow in front; breast black; sides yellow; scutcheon apple-green, armed with two short pale yellow teeth: abdomen yellow, nearly as broad as long, wider, but not longer than the chest, yellow, clothed with long pale yellow hairs; disk black above, especially on the hinder part: legs yellow; hips black; a black band on each thigh: wings colourless; wing-ribs, veins, and poisers yellow. Length of the body 2½ lines; of the wings 4 lines.

a. Honduras. From Mr. Dyson's collection.

Fam. XIV. Syrphici.

Group I.

Ceria conopsoides, *Meig. Dipt.* iii. 160, 2, *pl.* 26, *f.* 22—25. *Curt. Brit. Ent.* 186. *Macq. Hist. Nat. Dipt.* i. 484, 1, *pl.* 11, *f.* 1. *Dufour. Ann. Soc. Ent. France, 2de série*, v. 19, *pl.* 1, *f.* 1—6. Musca conopsoides, *Linn. Syst. Nat. Ed.* xii. 982, 21. *Faun. Suec.* 1790. *Schell. Gen. Mouch. pl.* 23, *f.* 1, *a*, *b*. Ceria clavicornis, *Fabr. Ent. Syst.* iv. 277, 1. *Suppl.* 557, 1. *Syst. Antl.* 173. *Latr. Gen. Crust.* iv. 328. *Cons. Gén.* 443. *Meig. Klass. Zweif.* i. 282, 1, *pl.* 14, *f.* 10, 12. *Fall. Syrph.* 6. Syrphus conopseus, *Panz. Faun. Germ.* xliv. 20. Conops vaginicornis, *Schrank, Faun. Boic.* iii. 2561.

a. England.

b. France.

Ceria Daphnæus, n. s., fem. *Ferruginea, flavo fasciata, nigroque varia, pedibus fulvis, femoribus nigris, alis dimidio costali fulvis.*

Head tawny, smooth, shining, a little broader than the chest: eyes red: united part of the feelers piceous, tawny at the base: chest ferruginous, adorned with yellow bands, of which one is in front of the wings, the other is across the scutcheon: there is also a yellow spot on each side in front; hind part of the chest, including the scutcheon, black: breast black, with a very large yellow spot on each side: abdomen ferruginous, elliptical, much longer but not broader than the chest, contracted at the base, which is black, with a yellow band; hind borders of the segments yellow, edged with pitch-colour: legs tawny; hips and thighs black, tips of the latter tawny: wings tawny for more than half the breadth from the fore borders and along the whole length; hind part colourless;

wing-ribs and veins tawny; poisers yellow. Length of the body 7 lines; of the wings 12 lines.

a. Jamaica. From Mr. Gosse's collection.

CERIA intricata, *Saunders, Trans. Ent. Soc. Lond.* iv. 64, 1, *pl.* 4, *f.* 2.

a. Albania. Presented by W. W. Saunders, Esq.

CERIA ornata, *Saunders, Trans. Ent. Soc. Lond.* iv. 64, 2, *pl.* 4, *f.* 3.

a. North West Coast of New Holland. Presented by J. Hunter, Esq.

Group II.

CERIA Eumenioides, *Saunders, Trans. Ent. Soc. Lond.* iii. 60, *pl.* 5, *f.* 6.

a. North Bengal. Presented by W. W. Saunders, Esq.

MICRODON, *Illiger.*

Group I.

MICRODON fulgens, *Wied. Auss. Zweif.* ii. 82, 1, *m.* M. euglossoides, *G. R. Gray, Griff. Anim. Kingd. Ins.* ii. *pl.* 125, *f.* 2.

a. Georgia. From Mr. Abbot's collection.

MICRODON stilboides, n. s., fem. *Viridis micans, cyaneo purpureo æneoque varius, antennis nigris, pedibus purpureis, alis fuscis.*

Body bright emerald green, punctured: head adorned with blue and purple on the crown, thinly clothed in front with short whitish hairs: mouth and feelers black: eyes red; facets on the fore part of the crown larger than those elsewhere: chest clothed with short black hairs, slightly coppery in front, tinged with blue and purple behind; scutcheon truncate; hind angles slightly projecting: abdomen very slightly furrowed across the back, longer and broader than the chest, blue and purple towards the base, coppery, and with two impressions towards the tip: legs purple, clothed with short black hairs; claws black; foot-cushions tawny: wings brown, darker along the fore borders; wing-ribs blue; veins black; poisers yellow. Length of the body 6 lines; of the wings 12 lines.

a. East Indies. From Archdeacon Clerk's collection.

Group II.

MICRODON apiformis, *Meig. Dipt.* iii. 163, 1. *Curt. Brit. Ent. pl.* 70. *Zett. Ins. Lapp.* 589, 1. *Wissmann, Ent. Stetttin,* ix. 1848, 79, xi. M. mutabilis, *Linn. Syst. Nat.* ii. 985. *Faun. Suec.* 1807. M. apiformis, *Deg. Ins.* vi. 56, 18, *pl.* 7, *f.* 18—20. *Schell. Gen. Mouch. pl.* 22, *f.* 1. M. nova, *Schrank. Ins. Austr.* 889. Mulio apiarius, *Fabr. Syst. Antl.* 185, 9. M. mutabilis, *Panz. Faun. Germ.* lxxxii. 21. Stratiomys pigra, *Schrank. Faun. Boic.* iii. 2387. Aphritis aureo-pubescens, *Latr. Gen. Crust.* iv. *pl.* 16, *f.* 7, 8. *Cons. Gén.* 443. Microdon mutabilis, *Fall. Syrph.* 4, 1. *Elditt. Ent. Zeit. Stett.* vi. 384, *pl.* 1, *f.* 6—14. Aphritis apiformis, *Macq. Hist. Nat. Dipt.* i. 486, 1.

a. England.
b. France.

Some of the synonyms of this and the following species are uncertain.

MICRODON mutabilis, *Meig. Dipt.* iii. 164, 2. Musca mutabilis, *Linn. Faun. Suec.* 1807. *Gmel. Ed. Syst. Nat.* v. 2842, 40. M. plebeia, *Schrank. Ins. Austr.* 890. Syrphus mutabilis, *Fabr. Sp. Ins.* ii. 428, 33. *Ent. Syst.* iv. 294, 59. Mulio mutabilis, *Fabr. Ent. Syst. Suppl.* 558, 3. *Syst. Antl.* 184, 4. Stratiomys conica, *Panz. Faun. Germ.* 12, 21.

a. England.
b. France.

MICRODON Agapenor, n. s., fem. *Piceus, capite abdominisque basi ferrugineis, antennis piceis basi ferrugineis, pedibus ferrugineis, femoribus nigris, alis cinereis, venis fulvo marginatis.*

Body stout, piceous, clothed with short tawny hairs: head ferruginous, a little narrower than the chest, clothed with short pale yellow hairs, black on the crown: eyes piceous; facets small: feelers piceous, much longer than the head, ferruginous at the base; branch ferruginous, spindle-shaped: abdomen oval, longer and broader than the chest, very finely furrowed across the back; first and second segments ferruginous: legs ferruginous, clothed with short tawny hairs; hips and thighs black; tips of the latter ferruginous: wings gray; wing-ribs and veins pitch-colour; veins bordered with brown; poisers tawny. Length of the body 4—5 lines; of the wings 8—9 lines.

a. Georgia. From Mr. Abbot's collection.
b. ———?

Group III.

MICRODON globosus, *Wied. Auss. Zweif.* ii. 86, 11. Mulio globosus, *Fabr. Syst. Antl.* 185, 9. Aphritis globosus, *Macq. Dipt. Exot.* ii. 13, 5, *pl.* 1, *f.* 4. Dimeraspis podagra, *Newman, Ent. Mag.* v. 373.

a. Illinois. Presented by E. Doubleday, Esq.

Group IV.

MICRODON varius, n. s., fem. *Flavus nonnunquam piceo maculatus, capitis disco nigro, thorace nigro, lateribus fascia scutellique margine flavis, abdomine maculis quatuor vittis duabus apiceque nigris, antennis fuscis, articulo 3o. subtus flavo, pedibus flavis, femoribus tibiisque posticis piceis, alis fusco variis.*

Body yellow, thickly clothed with short tawny hairs: disk of head black; a pitchy streak between the feelers and the mouth, which is also partly pitchy: eyes reddish brown; facets on the fore part of the crown rather larger than those elsewhere: feelers brown; third joint yellow beneath, excepting the tip; bristle tawny: chest and breast black; sides yellow; a yellow band in front of the scutcheon, whose hind border is also yellow; sides and hind part of chest armed with a few long black bristles: abdomen thickly punctured, much longer than the chest, with a black stripe along each side to the tip, which is also black, adorned with a black spot on each side of the base, and with two truncate conical black spots on the back: legs pale yellow, hairy; hind thighs towards the tips and hind shanks pitchy; tips of claws black: wings slightly gray, marked with a small brown spot on the middle of the fore border, and beyond it with two brown bands; wing-ribs tawny: veins pitchy; poisers yellow. Length of the body 1½—2 lines; of the wings 3½—5 lines.

Var. β. Pitchy instead of black: abdomen tawny at the tip: hind thighs and hind shanks pitchy: brown marks on the wing confused in one large spot.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

CHRYSOTOXUM, *Meigen.*

CHRYSOTOXUM bicinctum, *Latr. Gen. Crust.* iv. 327. *Cons. Gén.* 443. *Meig. Dipt.* iii. 168, 1. *Macq. Hist. Nat. Dipt.* i. 489, 1. *Zett. Ins. Lapp.* 588, 4. *Loew, Ent. Zeit. Stettin,* ii. 138,

159. *Curt. Brit. Ent.* 653, 1. Musca bicincta, *Linn. Syst. Nat.* ii. 985. *Faun. Suec.* 1805. *Gmel. Ed. Syst. Nat.* 2872, 39. *Deg. Ins.* vi. 56, 16. *Schell. Gen. Mouch. pl.* 22, *f.* 2. *Schrank. Faun. Boic.* iii. 2413. *Don. Brit. Ins.* x. 54, *pl.* 346, *f.* 2. Syrphus bicinctus, *Fabr. Sp. Ins.* ii. 427, 30. *Ent. Syst.* iv. 293, 54. *Panz. Faun. Germ.* xiv. 18. Mulio bicinctus, *Fabr. Ent. Syst. Suppl.* 557, 1. *Syst. Antl.* 183, 2. *Fall. Syrph.* 6, 3. Musca callosus, *Harr. Ex.* 61, *pl.* 15, *f.* 18.

a. England.
b. France.
c. Ukraine. Presented by Dr. Dowler.
d. ——— ? From Mr. Children's collection.
e. New Holland.

Chrysotoxum arcuatum, *Latr. Gen. Crust.* iv. 327. *Meig. Dipt.* iii. 168, 2. *Macq. Hist. Nat. Dipt.* i. 489, 2. *Zett. Ins. Lapp.* 588, 3 *Loew, Ent. Zeit. Stettin*, ii. 159. *Curt. Brit. Ent.* 653, 2. Musca arcuata, *Linn. Syst. Nat.* ii. 985. *Faun. Suec.* 1806. *Gmel. Ed. Syst. Nat.* v. 2872, 39. *Deg. Ins.* vi. 55, 15. *Schæff. Icon. pl.* 73, *f.* 8. *Geoff. Ins.* 506, 28. *Schrank. Faun. Boic.* iii. 2407. *Stew, El.* ii. 265. *Turt.* iii. 645. Syrphus arcuatus, *Fabr. Sp. Ins.* ii. 427, 31. *Ent. Syst.* iv. 293, 55. Mulio arcuatus, *Fabr. Ent. Syst. Suppl.* 558, 2. *Syst. Antl.* 184, 3. *Fall. Syrph.* 5, 2. Musca imbellis, *Harr. Ex.* 60, *pl.* 15, *f.* 16.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Chrysotoxum scutellatum, *Macq. Dipt. Nord.* 4. *Hist. Nat. Dipt.* i. 490, 4. *Loew, Ent. Zeit. Stettin*, ii. 159, 6.

a. England.

Chrysotoxum intermedium, *Meig. Dipt.* iii. 169, 3, *pl.* 27, *f.* 6. *Macq. Hist. Nat. Dipt.* i. 489, 3. *Curt. Brit. Ent.* 653, 3. Mulio arcuatus, var. fem., *Fall. Syrph.* 5, 2.

a. Albania.

Chrysotoxum fasciolatum, *Meig. Dipt.* iii. 170, 4. *Macq. Hist. Nat. Dipt.* i. 420, 5, *pl.* 11, *f.* 6. *Zett. Ins. Lapp.* 588, 2. *Loew, Ent. Zeit. Stettin*, ii. 160. *Curt. Brit. Ent.* 653, 4. Musca fasciolata, *Deg. Ins.* vi. 55, *pl.* 7, *f.* 13. Milesia vespiformis, *Fabr. Syst. Antl.* 188.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.
d. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CHRYSOTOXUM hortense, *Meig. Dipt.* iii. 173, 8. *Loew, Ent. Zeit. Stettin*, ii. 160.

a. ——— ? From Mr. Children's collection.

CHRYSOTOXUM Baphyrus, n. s., mas. *Flavum, thoracis vittis tribus viridiæneis, abdomine fulvo, dorso ad apicem piceo, antennis fulvis apice piceis, pedibus fulvis, tibiis anticis flavis, alis limpidis.*

Head white, clothed behind with short tawny hairs, bright yellow with a tawny stripe in front: mouth pitchy; feelers tawny, pitchy towards the tips: eyes brassy red; their facets nearly alike in size: chest and breast yellow, the former adorned with three brassy green stripes; disk of the scutcheon tawny: abdomen tawny, slightly ferruginous on the disk, which has a pitchy band; the hind half of the abdomen is also mostly pitchy: legs tawny; fore shanks yellow: wings colourless; wing-ribs and poisers tawny; veins brown, tawny towards the base and along the fore borders. Length of the body 5 lines; of the wings 10 lines.

a. North Bengal. From Miss Campbell's collection.

CHRYSOTOXUM derivatum, n. s., mas. *Nigrum, capite flavo vittis duabus nigris, thoracis lateribus flavo variis, scutello fusco basi flavo, abdominis vittis tribus interruptis duabusque integris flavis, apice maculis tribus flavis ornato, pedibus flavis femoribus nigris, alis subcinereis ad costam fuscis.*

Body black: head yellow, as broad as the chest, clothed beneath with tawny hairs, adorned with a black stripe in front: eyes dark reddish bronze, downy; facets very small: mouth and feelers black: chest clothed with black hairs, adorned with an interrupted yellow stripe on each side; sides of the breast also varied with yellow: scutcheon brown, with a yellow band on the fore border: abdomen nearly oval, a little longer and broader than the chest, adorned with five yellow arched bands, of which the first, the second and the fourth are slightly interrupted, the third and the fifth are whole; there are also three large yellow spots at the tip of the abdomen: legs yellow, clothed with short tawny hairs; hips and thighs black, the latter yellow towards the tips: wings slightly gray, brown along the fore borders; wing-ribs and veins piceous; poisers tawny. Length of the body 3½ lines; of the wings 8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CHRYSOTOXUM erraticum, n. s., fem. *Nigrum, fulvo hirtum, antennis nigris basi fulvis, pedibus fulvis, alis limpidis ad costam subfulvis.*

Body black, thickly clothed with short tawny hairs: head as broad as the chest: eyes dark red, very downy; facets very small, of equal size: mouth and feelers black; first joint of the latter tawny, with a black tip: abdomen oval, very little broader and longer than the chest: legs tawny; thighs clothed with yellow hairs: wings colourless, slightly tawny along the fore borders; wing-ribs, veins and poisers tawny. Length of the body 4½ lines; of the wings 11 lines.

a. ——— ?

PSARUS, *Latreille.*

Group I.

PSARUS abdominalis, *Fabr. Syst. Antl.* 211, 1. *Latr. Gen. Crust.* iv. 326. *Cons. Gén.* 443.. *Meig. Dipt.* iii. 174, 1, *pl.* 27, *f.* 12. *Macq. Hist. Nat. Dipt.* i. 490, 1. Musca, &c., *Geoff. Ins.* ii. 519, 50. Syrphus abdominalis, *Fabr. Ent. Syst.* iv. 307, 108. Ceria abdominalis, *Fabr. Ent. Syst. Suppl.* 557, 2.

a. England.
b. France.

Group II. Mixtemyia, *Macquart.*

PSARUS quadrifasciatus, *Wied. Auss. Zweif.* ii. 91, 2. Paragus quadrifasciatus, *Say, Long's Exped.* ii. *Append.* 377. Mixtemyia quadrifasciata, *Macq. Hist. Nat. Dipt.* i. 491, 1. *pl.* 11, *f.* 8.

a. United States. Presented by the Entomological Club.

PARAGUS, *Latreille.*

PARAGUS bicolor, *Latr. Gen. Crust.* iv. 326. *Cons. Gén.* 443. *Meig. Dipt.* iii. 178, 2. *Macq. Hist. Nat. Dipt.* i. 565, 2, *pl.* 12, *f.* 17. Musca melanochrysa, *Gmel. Ed. Syst. Nat.* v. 2879, 374. Musca, &c., *Geoff. Ins.* ii. 520, 51. Mulio bicolor, *Fabr. Suppl.* 559, 8. *Syst. Antl.* 186, 10. Syrphus bicolor, *Fabr. Ent. Syst.* iv. 297, 71.

a. England.

PARAGUS arcuatus, *Meig. Dipt.* iii. 179, 3, *pl.* 27, *f.* 20, 21. *Macq. Hist. Nat. Dipt.* i. 565, 3.
a. England.
b. ——— ?

PARAGUS testaceus, *Meig. Dipt.* iii 180, 6. *Macq. Hist. Nat. Dipt.* i. 566, 6.
a. England.
b. France.

PARAGUS albifrons, *Meig. Dipt.* iii. 181, 8. *Macq. Hist. Nat. Dipt.* i. 566, 9. P. thymiastri, *Latr. Gen. Crust.* iv. 326. *Cons. Gén.* 443. Syrphus thymiastri, *Panz. Faun. Germ.* ix. 12. Pipiza albifrons, *Fall. Syrph.* 60, 6.
a. France.

PARAGUS tibialis, *Meig. Dipt.* iii. 183, 13. *Macq. Hist. Nat. Dipt.* i. 567, 14. Pipiza tibialis, *Fall. Syrph.* 60, 5.
a. England.

PARAGUS femoratus, *Megerle, Meig. Dipt.* iii. 184, 14.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

PARAGUS obscurus, *Megerle, Meig. Dipt.* iii. 183, 12. *Curt. Brit. Ent.* 593, 4.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

PARAGUS transatlanticus, n. s., fem. *Niger abdominis lateribus cano maculatis, antennis pedibusque nigris, tarsis et nonnunquam tibiis fulvis, alis limpidis.*

Body black, shining: head clothed with very short hoary hairs: mouth tawny: eyes dark red, downy; facets very small: feelers black; bristle tawny: chest and breast clothed with very short tawny hairs: abdomen a little broader than the chest, much less than twice its length: sides of the segments adorned with large spots of hoary bloom: legs black, thinly clothed with short tawny hairs; knees and feet bright tawny, tips of the latter black; foot-cushions tawny; first joint of the hind feet black, with a tawny tip; four front shanks tawny, with a black band on each: wings colourless: wing-ribs and veins piceous, some of the latter tawny towards the base; poisers yellow. Length of the body $2\frac{1}{4}$—$2\frac{3}{4}$ lines; of the wings 4—5 lines.

Var. β. Four front shanks tawny.
Var. γ. Four front shanks black.

a. New York. Presented by the Entomological Club.
b. Trenton Falls. Presented by E. Doubleday, Esq.

PARAGUS fuscipennis, n. s., mas. *Nigro-æneus, abdomine subtus fusco, antennis fuscis, pedibus nigris, genubus ferrugineis, tarsis piceis, alis fuscis.*

Body brassy black: head clothed with whitish hairs: feelers brown; bristle tawny: eyes dark red, very downy: chest clothed with tawny hairs: abdomen clothed with short black hairs, brown beneath, a little narrower than the chest and nearly twice its length; legs black, thickly clothed with tawny hairs; knees ferruginous; feet piceous, clothed with tawny down; claws black; foot-cushions tawny: wings brown; wing-ribs and veins black; poisers tawny. Length of the body 3 lines; of the wings 4½ lines.

a. ——— ?

PARAGUS æneus, n. s., fem. *Æneus, capitis sulcis transversis, thoracis vittis quatuor cupreis, antennis fuscis, pedibus æneis, tibiis tarsisque fulvis, illis æneo fasciatis, alis subcinereis ad costam subfuscis.*

Body brassy, thinly clothed with short hoary hairs: head as broad as the chest; crown wrinkled across: eyes piceous; fore part red above: mouth black: feelers brown; bristle tawny, black towards the tip: chest adorned with four reddish coppery stripes: abdomen nearly oval, a little broader and much longer than the chest: legs ferruginous, covered with tawny down; hips and thighs brassy; a broad brassy band across each shank; feet black towards the tips: wings slightly gray, tinged with brown along the fore borders; wing-ribs and veins piceous, the latter ferruginous towards the base; cross-veins clouded with brown; poisers tawny. Length of the body 2½ lines; of the wings 5 lines.

a. Ohio. Presented by the Entomological Club.

PARAGUS latus, n. s., fem. *Niger, brevis, abdominis fascia lata flava, antennis fuscis, pedibus flavis, femoribus basi nigris, tibiis nigro fasciatis, tarsis fulvis, alis limpidis.*

Body black, shining, short and broad, thickly clothed with short tawny hairs: eyes red: mouth black: feelers brown; bristle tawny: abdomen nearly oval, broader and a little longer than the chest, adorned with a very broad yellow band across the middle: legs yellow; thighs from the base to the middle and hips black;

hind thighs black except their tips; a black band on each hind shank; feet tawny: wings colourless; wing-ribs black; veins piceous, yellow towards the base; poisers yellow. Length of the body 2 lines; of the wings 4 lines.

a. Sierra Leone. Presented by the Rev. F. W. Morgan.

PARAGUS Antimenes, n. s., mas. et fem. *Niger, abdominis fascia lata subinterrupta fulva, antennis nigris, pedibus fulvis, femoribus nigris, tibiis posticis nigro fasciatis, alis limpidis.*

Body black, short and broad, clothed with short tawny hairs: head as broad as the chest; front of the male yellow, of the female with a dark tawny stripe on each side: eyes piceous: mouth and feelers black: abdomen oval, a little broader and longer than the chest, adorned with a broad tawny, nearly interrupted band, which is broader in the male than in the female: legs tawny; hips and thighs black; tips of the latter tawny; a black band across each hind shank: wings colourless; wing-ribs tawny; veins black, tawny at the base; poisers tawny. Length of the body $1\frac{3}{4}-2\frac{1}{4}$ lines; of the wings $3\frac{1}{2}$—5 lines.

a. Isle of France.

ASCIA, *Megerle.*

ASCIA podagrica, *Meig. Dipt.* iii. 186, 1. *Macq. Hist. Nat. Dipt.* i. 573, 1. *Zett. Ins. Lapp.* 582, 2. Syrphus podagricus, *Fabr. Sp. Ins.* ii. 430, 43. *Ent. Syst.* iv. 299, 77. *Panz. Faun. Germ.* lix. 16. Musca podagrica, *Gmel. Ed. Syst. Nat.* v. 2873, 354. Musca, &c., *Geoff. Ins.* 517, 45? M. elongata, *Schrank, Faun. Boic.* iii. 2414. M. ichneumonea, *Schrank, Ins. Austr.* 91. M. molio, *Harr. Ex.* 111, *pl.* 33, *f.* 43. (mas.) M. tenur, *Harr. Ex.* 112, *pl.* 33, *f.* 59. Merodon podagricus, *Fabr. Syst. Antl.* 198, 10. Milesia podagrica, *Latr. Gen. Crust.* iv. 331. *Fall. Syrph.* 13, 11.

a. England.

b. France.

c. ———? From Mr. Children's collection.

ASCIA globosa, n. s., fem. *Nigro-ænea, antennis fulvis basi nigris, pedibus fulvis femoribus nigris, tibiis posticis piceis, alis limpidis.*

Body brassy black, clothed with hoary down: eyes dark red: feelers dark tawny; first joint black: abdomen much broader than the chest, and nearly twice its length: legs tawny; hips and thighs

black, the latter tawny at the base and at the tips; hind shanks piceous: wings colourless; wing-ribs ferruginous; veins piceous; poisers pale yellow. Length of the body 2 lines; of the wings 4 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

Ascia Anthermus, n. s., fem. *Ferruginea, capite nigro maculato, thoracis vittis duabus fuscis, antennis pedibusque fulvis, alis limpidis, ad costam fuscis fuscoque oblique subfasciatis.*

Body ferruginous: head as broad as the chest; a black spot in front: eyes red; facets of moderate size: feelers tawny; first joint linear; second joint club-shaped, about half the length of the first; third joint spindle-shaped, much longer than the second: chest adorned with two broad dark brown stripes: abdomen rather more than twice the length of the chest, very slender for half the length, broader from thence to the tip: legs tawny, slightly covered with down: wings colourless, long and broad, brown along the fore border, whence a short and very oblique band proceeds outwards into the disk; wing-ribs tawny; veins piceous; poisers tawny. Length of the body 5—5½ lines; of the wings 11—12 lines.

a. Para. Presented by J. P. George Smith, Esq.
b. Para. Presented by Reginald Graham, Esq.

Sphégina, *Meigen.*

Sphegina clunipes, *Meig. Dipt.* iii. 194, 1, *pl.* 28, *f.* 5. *Macq. Dipt. Nord.* 17, 1, *pl.* 1, *f.* 2. *Hist. Nat. Dipt.* i. 576, 1, *pl.* 12, *f.* 21. *Zett. Ins. Lapp.* 581, 1. *Zeller, Ent. Zeit. Stettin.* iv. 302, 1. Milesia clunipes, *Fall. Syrph.* 12, 10.
a. England. Presented by F. Walker, Esq.

Baccha, *Fabricius.*

Baccha elongata, *Fabr. Syst. Antl.* 200, 6. *Fall. Syrph.* 14, 1.? *Meig. Dipt.* iii. 197, 1, *pl.* 28, *f.* 13. *Macq. Hist. Nat. Dipt.* i. 577, 1, *pl.* 12, *f.* 22. *Zett. Ins. Lapp.* 581, 1. *Curt. Brit. Ent.* 737, 1. Syrphus elongatus, *Fabr. Sp. Ins.* ii. 430, 42. *Ent. Syst.* iv. 199, 76. Musca elongata, *Gmel. Ed. Syst. Nat.* v. 2873, 353.
a. England.
b. France.

Baccha obscuripennis, *Meig. Dipt.* iii. 199, 4. *Curt. Brit. Ent.* 737, 4. Musca perexilis, *Harr. Ex.* 81, *pl.* 24, *f.* 24.
a. England.

Baccha tabida, *Meig. Dipt.* iii. 199, 5. *Macq. Hist. Nat. Dipt.* i. 578, 3. *Curt. Brit. Ent.* 737, 5.
a. England.
b. France.

Baccha varia, n. s., mas. et fem. *Ænea, capite scutellique lateribus flavis, abdominis basi maculisque quatuor flavis, antennis ferrugineis, pedibus piceis, femoribus æneis, tibiis basi fulvis, alis subcinereis.*

Body brassy: head yellow, with a brassy stripe in front: eyes red: mouth piceous: feelers ferruginous; scutcheon yellow; its disk brassy: abdomen yellow at the base, and adorned with two yellow spots on each side: legs piceous; hips and thighs brassy; shanks tawny towards the base: wings slightly gray, sometimes brown along the fore borders; wing-ribs and brands piceous; veins black; poisers yellow. Length of the body 3 lines; of the wings 5 lines.

a. ——— ? From Mr. Children's collection.

Baccha picta, *Wied. Auss. Zweif.* ii. 93, 2.
a. Congo. Presented by Sir J. Richardson.

Baccha aurinota, *Harris, Catalogue Ins. Massachusetts. Æneus, thorace postico scutelloque aureis, pectore cano, abdomine maculis sex fulvis ornato, pedibus fulvis, metapedibus piceis, alis limpidis, fusco bimaculatis.*

Head wanting: chest bronze, clothed with short pale hairs; hind part and scutcheon gold-colour: breast covered with hoary bloom: abdomen more than thrice the length of the chest, adorned with three tawny spots on each side: legs tawny; hind legs piceous, tawny on the tips of their thighs and on the base of their shanks: wings colourless; a blackish brown spot close to the base, and another much larger irregular one of the same colour beyond the middle of the fore border; this spot is narrower and paler in the disk than along the fore border, where there is a little colourless interval; wing-ribs piceous; veins black, piceous towards the base; poisers yellow, with piceous knobs. Length of the body 6 lines; of the wings 9 lines.

a. United States. Presented by the Entomological Club.

Baccha Babista, n. s., mas. *Ænea, fronte flavo, scutello ferrugineo, abdominis basi maculis quatuor apiceque ferrugineis, antennis pedibusque fulvis, femoribus posticis piceis, alis limpidis ad costam fuscis.*

Body coppery: head a little broader than the chest, yellow, with a steel blue stripe in front, clothed behind and beneath with white down: eyes red; facets small: mouth piceous; feelers tawny: chest clothed with short tawny hairs; breast steel blue, clothed with short hoary hairs; scutcheon ferruginous: abdomen adorned with a ferruginous band at the base, a ferruginous spot on each side in the middle, and with another pair of spots nearer the tip, which is dark ferruginous: legs tawny; hips steel blue; hind thighs mostly piceous: wings colourless, tinged with brown along the fore border from the base to the brand, which is dark brown; wing-ribs ferruginous; veins black; poisers tawny. Length of the body 5 lines; of the wings 8 lines.

♂. Georgia. From Mr. Abbot's collection.

Baccha Tarchetius, n. s., fem. *Nigro-cyanea, fronte thoracisque maculis duabus flavis, abdomine maculis sex apiceque fulvis, antennis pedibusque fulvis, pedibus posticis fuscis, alis subcinereis ad costam fuscis.*

Body bluish black: head a little broader than the chest, white, and beset with short white hairs behind; front yellow, with a black stripe, which is shortened towards the mouth: eyes piceous, bright red in front: mouth and feelers tawny: abdomen a little more than twice the length of the chest, broader towards the base than that of *B. Babista*, adorned with three tawny spots on each side; tip also tawny: legs tawny; hind legs brown, their thighs and shanks tawny towards the base: wings slightly gray, dark brown along the fore borders for the whole length and for full one-third of the breadth; wing-ribs piceous; veins black; poisers tawny. Length of the body 4½ lines; of the wings 8 lines.

♀. Georgia From Mr. Abbot's collection.

Baccha Amphithoe, n. s. *Flava, thoracis disco æneo, abdomine ferrugineo, apicem versus æneo flavoque fasciato, pedibus flavis, alis limpidis costæ basi fulvis apice fuscis.*

Head wanting: chest and breast yellow; disk of the chest bronze: abdomen ferruginous, bronze, and adorned with a yellow band towards the tip: legs yellow: wings colourless, tawny along the fore borders for half their length, brown thence to the tips:

wing-ribs tawny; veins piceous; poisers tawny. Length of the body 3 ? lines; of the wings 7 lines.

a. East Indies. From Archdeacon Clerk's collection.

EUMERUS, *Meigen*.

EUMERUS grandis, *Meig. Dipt.* iii. 203, 1, *pl.* 28, *f.* 14, 18. *Macq. Hist. Nat. Dipt.* i. 526, 1.

a. ——— ? From Mr. Children's collection.

EUMERUS tricolor, *Meig. Dipt.* iii. 204, 2. *Macq. Hist. Nat. Dipt.* i. 526, 2.

a. England.

b. ———?

EUMERUS ruficornis, *Meig. Dipt.* iii. 206, 5. *Zett. Dipt. Scand.* ii. 865, 5. *Loew, Ent. Stett.* ix. 1848, 127, 13. *Curt. Brit. Ent.* 749, 2.

a. England.

b. ——— ? From Mr. Children's collection.

EUMERUS grandicornis, *Meig. Dipt.* iii. 207, 8. *Macq. Hist. Nat. Dipt.* i. 527, 7.

a. England.

EUMERUS lunulatus, *Meig. Dipt.* iii. 209, 11. *Loew, Ent. Stett.* ix. 1848, 121, 9. E. funeralis, *Meig. Dipt* iii. 208, 9. *Macq. Hist. Nat. Dipt.* i. 527, 8. *Loew, Isis*, 1840, 561, 3. *Zett. Dipt. Scand.* ii. 867, 7. E. planifrons, *Meig. Dipt.* iii. 209, 10. E. æneus, *Macq. Dipt. Nord. Syrph.* 121, 8. *Hist. Nat. Dipt.* i. 528, 11. *Meig. Dipt.* vii. 112, 19. *Curt. Brit. Ent.* 749, 4. *Ruricola, Gard. Chron.* 1842, 252. *Bouché, Ent. Zeit. Stett.* viii. 145, 17. E. Selene, *Loew, Isis*, 1840, 561, 6. E. grandicornis, *Meig. Dipt.* ii. 208, 8. *Macq. Hist. Nat. Dipt.* i. 527, 7. *Zett. Dipt. Scand.* ii. 866, 6. E. strigatus ? *Zett. Dipt. Scand.* ii. 864, 3. Pipeza strigata, *Fall. Dipt. Suec. Syrph.* 61, 8.

a. England.

b. ———? From Mr. Children's collection.

EUMERUS sabulonum, *Zett. Dipt. Scand.* ii. 863, 2. *Loew, Ent. Stett.* ix. 1848, 114, 4. E. tricolor? *Meig. Dipt.* iii. 204, 2. E. strigatus? *Meig. Dipt.* iii. 207, 7. *Curt. Brit. Ent.* 749, 3. E. Silene? *Meig. Dipt.* iii. 210, 12. *Curt. Brit. Ent.* 749, 6. E. rubriventris, *Macq. Dipt. Nord. Syrph.* 119, 2. *Hist. Nat. Dipt.* i. 528, 10. *Meig. Dipt.* vii. 112, 18. Syrphus tricolor? *Fabr. Ent. Syst. Suppl.* 563. Eristalis tricolor? *Fabr. Syst. Antl.* 244, 52. Pipiza sabulonum, *Fall. Dipt. Suec. Syrph.* 61, 7.

a. ———? From Mr. Children's collection.

EUMERUS obliquus, *Wied. Auss. Zweif.* ii. 112, 3. Milesia obliqua, *Fabr. Syst. Antl.* 194, 28.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

EUMERUS Aquilius, n. s., mas. *Æneo-viridis, thoracis fasciis quatuor cinereis, abdominis fasciis tribus interruptis arcuatis cinereis, antennis nigris, pedibus viridi-æneis, tarsis piceis, alis nigro cinereis.*

Body brassy green: head beset on the crown with a few black hairs, covered with white silky down, and clothed with white hairs in front: mouth and feelers black; third joint of the latter covered with hoary bloom: eyes dark red; facets very large in the middle of the fore part: chest clothed with short tawny hairs, adorned with four gray stripes: breast clothed with short hoary hairs: abdomen adorned with three interrupted arched gray bands, clothed with short tawny hairs, and at the tip beneath with short black hairs: legs brassy green, clothed with short pale hairs; feet pitchy, their soles and the knees ferruginous: wings dark gray; wing-ribs pitchy; veins black; poisers ferruginous. Length of the body 4 lines; of of the wings 6 lines.

a. ———? From Mr. Children's collection.

EUMERUS porcus, *Barnston, MSS.*, fem. *Niger, thorace cinereo quadrivittato, abdomine maculis nigris nitentibus canisque ornato, antennis piceis, pedibus nigris, genubus tarsisque ferrugineis, alis subcinereis.*

Body black, clothed with black hairs: head covered with white bloom, and clothed with white hairs beneath, pale yellow in front and around the base of the feelers: mouth black: feelers pitchy; bristle black: eyes brassy black; all the facets small: chest adorned with four gray stripes: breast tinged with gray: abdomen elliptical, deep velvet-like black, longer and a little broader than the chest; each segment adorned with a triangular black shining spot

in the middle, and with a hoary spot on each side; hind borders shining: legs black; knees and feet ferruginous, the latter pitchy towards the tips; foot-cushions and claws tawny; tips of the claws black; hind thighs thick, unarmed; hind shanks curved: wings pale gray; wing-ribs and veins black; veins pitchy towards the base; poisers yellow. Length of the body 3—4 lines; of the wings 6—7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Syritta, *St. Fargeau.*

Syritta pipiens, *St. Farg. et Serv. Ency. Macq. Dipt. Nord.* 124, 1. *Hist. Nat. Dipt.* i. 525, 1, *pl.* 12, *f.* 3. Musca pipiens, *Linn. Syst. Nat.* ii. 988. *Faun. Suec.* 1822. *Gmel. Ed. Syst. Nat.* v. 2877, 56. *Deg. Ins.* vi. 53, 11, *pl* 7, *f.* 8, 9. *Schrank, Faun. Boic.* iii. 2411. *Ins. Austr.* 915. *Harr. Ex.* 109, *pl.* 32, *f.* 48. *Berk. Syn.* i. 164. *Stew. El.* 266. *Turt.* iii. 652. Musca, &c., *Geoff. Ins.* ii. 519, 49. *Schell. Gen. Mouch. pl.* 10, *f.* 3. Syrphus pipiens, *Fabr. Sp. Ins.* ii. 435, 65. *Ent. Syst.* iv. 310, 119. *Panz. Faun. Germ.* xxxii. 20. Milesia pipiens, *Fabr. Syst. Antl.* 194, 27. *Latr. Gen. Crust.* iv. 331. *Cons. Gén.* 443. *Fall. Syrph.* 12, 9. Xylota pipiens, *Meig. Dipt.* iii. 213, 1. Coprina pipiens, *Zett. Ins. Lapp.* 584, 1.

a. England.
b. France.
c. ———? From Mr. Children's collection.

Syritta proxima. Xylota proxima, *Say, Amer. Ent. pl.* 8. *Wied. Auss. Zweif.* ii. 102, 9.

a. Nova Scotia. From Lieut. Redman's collection.
b. Ohio. Presented by the Entomological Club.
c. Trenton Falls. Presented by E. Doubleday, Esq.
d. Georgia. From Mr. Abbot's collection.
e. North America. From Mr. Children's collection.

Syritta indica. Eumerus indicus, *Wied. Anal. Ent.* 33, 49. Xylota indica? *Wied. Auss. Zweif.* ii. 103, 10.

a. Isle of France.

Syritta fasciata. Xylota fasciata, *Wied. Auss. Zweif.* ii. 103, 11.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

SYRITTA Bulbus, n. s. *Flavo-albida, thoracis disco nigro, antennis pedibusque flavis, femoribus posticis apice fuscis, posticis basi fuscis, alis limpidis.*

Head whitish: mouth black, brown towards the tip: feelers yellow, bristle black: eyes coppery; facets very small, except in the fore part, where they are large: chest black, yellow on each side in front: breast yellowish white: abdomen wanting: legs yellow; hips and hind shanks towards the base, and tips of hind thighs brown: wings colourless; wing-ribs and poisers tawny; veins black. Length of the body 2½ lines; of the wings 4 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

SYRITTA decora, n. s., fem. *Nigra, fulvo-varia, thorace fusco, antennis ferrugineis piceo vittatis, pedibus ferrugineis, femoribus posticis nigro-æneis, tibiis posticis piceis, alis fusco fulvis.*

Head black, covered with tawny down, tawny about the mouth, which is pitchy: eyes convex, red, slightly bronzed; all the facets very small: feelers ferruginous, with a pitchy streak along the upper side; bristle black: chest rich brown, adorned on each side with three tawny bands, which extend to the breast and there become white; behind them and before the scutcheon there is a tawny band across the back: abdomen black, linear, a little narrower and much longer than the chest, adorned on each side with three tawny spots; first pair of spots very large; second pair of moderate size; third pair very small; borders of the segments shining: legs ferruginous; hips black; feet brown; claws and foot-cushions tawny; tips of claws black; hind thighs thick, brassy black, armed beneath with teeth; hind shanks curved, pitchy, each adorned with a broad ferruginous band: wings brownish tawny; wing-ribs pitchy; veins black; poisers yellow. Length of the body 4½ lines; of the wings 8 lines.

a. ——— ?

XYLOTA, *Meigen.*

XYLOTA femorata, *Meig. Dipt.* iii. 216, 6. *Zett. Ins. Lapp.* 586, 7. Musca femorata, *Linn. Syst. Nat.* ii. 998. *Faun. Suec.* 1824. *Gmel. Ed. Syst. Nat.* v. 2877, 58. *Turt.* iii. 645. Milesia femorata, *Fall. Syrph.* 11, 8.

a. ——— ? From Mr. Children's collection.
b. ——— ?

XYLOTA hæmatodes, *Say, Amer. Ent. pl.* 8. *Wied. Auss. Zweif.* ii. 99, 3. *Macq. Dipt. Exot.* ii. 73, 1, *pl.* 13, *f.* 4. Milesia hæmatodes, *Fabr. Syst. Antl.* 193, 21.

a. Nova Scotia. Presented by the Entomological Club.
b. Georgia. From Lieut. Redman's collection.

Xylota nigra, *Fabr. Syst. Antl.* 192, 16. *Latr. Gen. Crust.* iv. 331. *Fall. Syrph.* 11, 7. *Meig. Dipt.* iii. 221, 14. *Macq. Hist. Nat. Dipt.* i. 522, 7. Syrphus niger, *Fabr. Ent. Syst.* iv. 295, 63.
a. ——— ?

Xylota abiens, *Wied. Meig. Dipt.* iii. 218, 9.
a. ——— ?

Xylota bifasciata, *Meig. Dipt.* iii. 219, 10. *Zett. Ins. Lapp.* 585, 2. *Curt. Brit. Ent.* 425.
a. ——— ?

Xylota Dascon, n. s., mas. et fem. *Æneus, abdomine fulvo quadrimaculato, capite abdomineque postico chalybeis, ventre, antennis pedibusque fulvis, tibiis tarsisque anterioribus flavis, pedibus posticis ferrugineis, alis limpidis.*

Head steel blue, clothed behind with tawny hairs, covered in front with whitish down: mouth pitchy: eyes red; facets rather large in front: feelers tawny: chest and breast coppery, thinly clothed with short tawny hairs: abdomen coppery, clothed with short whitish hairs, steel blue towards the tip and sometimes on each side, adorned with two large square tawny spots on each side; underside tawny: legs tawny; four front shanks and feet yellow, tips of the latter tawny; hind legs ferruginous, their thighs with a coppery tinge, their shanks tawny at the base: wings colourless; wing-ribs and poisers taway; veins pitchy, tawny towards the base. Length of the body 4 lines; of the wings 8 lines.

Nearly allied to *X. bifasciata*, but the cross-veins are more upright.
a. ——— ?

Xylota Baton, n. s., fem. *Ænea, abdominis segmento secundo fulvo bimaculato, antennis piceis, pedibus æneis, tibiis tarsisque anterioribus fulvis, tibiis posticis nigris, tarsis posticis piceis, alis subcinereis.*

X. ejuncida? *Say, Amer. Ent. pl.* 8. *Wied. Auss. Zweif.* ii. 100, 5. X. quadrata? *Say, Amer. Ent. pl.* 8. *Wied. Auss. Zweif.* ii. 101, 6. X. metallica? *Wied. Auss. Zweif.* ii. 102, 8.

Body brassy, thinly clothed with short pale hairs: head full as broad as the chest, covered with hoary bloom, clothed behind and beneath with short white hairs: eyes dark red; facets small: mouth and feelers piceous: second segment of the abdomen adorned with a

round tawny spot on each side: legs clothed with tawny down; hips and thighs brassy; shanks and feet tawny, the former with a slight piceous tinge; hind shanks black, tawny at the base; hind feet piceous; claws black; foot-cushions ferruginous: wings slightly gray, with a brown tinge along the fore borders; wing-ribs pitchy; veins black, ferruginous towards the base; cross-veins slightly clouded with brown; poisers tawny. Length of the body 4½ lines; of the wings 8 lines.

a. Florida. Presented by E. Doubleday, Esq.
b. Nova Scotia. From Lieut. Redman's collection.
c. ——? From Mr. Children's collection.

Xylota nemorum, *Meig. Dipt.* iii. 219, 11. *Macq. Hist. Nat. Dipt.* i. 521, 3. *Zett. Ins. Dipt.* 585, 3. Milesia nemorum, *Fabr. Syst. Antl.* 192, 17. M. ignava, *Fall. Syrph.* 11, 6.
a. France.

Xylota segnis, *Meig. Dipt.* iii. 220, 12. *Macq. Dipt. Nord.* 128, 1, *pl.* 2, *f.* 8. *Hist. Nat. Dipt.* i. 521, 5. *Zett. Ins. Lapp.* 585, 1. Musca segnis, *Linn. Syst. Nat.* ii. 988. *Faun. Suec.* 1823, *Gmel. Ed. Syst. Nat.* v. 2877, 57. *Deg. Ins.* vi. 54, 12. *Schrank, Faun. Boic.* iii. 2412. *Ins. Austr.* 914. *Stew. El.* ii. 266. *Turt.* iii. 644. M. Brassicariæ, *Don. Brit. Ins.* v. 17, *pl.* 151, *f.* 1. M. longisco, *Harr. Ex.* 83, *pl.* 24, *f.* 30. Musca, &c., *Geoff. Ins.* ii. 526, 62. *Schæff. Icon. pl.* 107, *f.* 7. Syrphus segnis, *Fabr. Sp. Ins.* ii. 428, 36. *Ent. Syst.* iv. 295, 61. *Panz. Faun. Germ.* lx. 3. Milesia segnis, *Fabr. Syst. Antl.* 191, 14. *Latr. Gen. Crust.* iv. 331. *Fall. Syrph.* 10, 5.
a. England.
b. France. Presented by F. Walker, Esq.
c. France.
d. ——? From Mr. Children's collection.

Xylota ignava, *Meig. Dipt.* iii. 221, 13. *Macq. Hist. Nat. Dipt.* i. 522, 6.
a. France.
b. ——? From Mr. Children's collection.

Xylota lenta, *Meig. Dipt.* iii. 222, 15. *Macq. Hist. Nat. Dipt.* i. 522, 8. *Zett. Ins. Lapp.* 586, 8. Musca nigra, *Schrank, Faun. Boic.* iii. 242, 9. Syrphus niger, *Panz. Faun. Germ.* lx. 5.
a. ——?
b. ——? From Mr. Children's collection.

XYLOTA Corbulo, n. s., fem. *Ænea, capite cyaneo, abdominis maculis quatuor ventreque fulvis, antennis nigris, pedibus æneis, tarsis fulvis, tarsis posticis tibiisque piceis, alis cinereis.*

Body brassy, clothed with short tawny hairs: head dark blue, a little broader than the chest, clothed behind and beneath with white down, and adorned with a patch of white down on each side of the front: eyes reddish bronze; facets small: mouth and feelers black: sides of abdomen covered with white down; its back adorned with four tawny spots; underside mostly tawny: legs clothed with short tawny hairs; hips and thighs brassy; shanks piceous, tawny at the base; feet tawny; hind feet piceous; claws black, tawny at the base; foot-cushions tawny: wings gray; wing-ribs and veins black, the latter piceous towards the base; poisers tawny. Length of the body 5½ lines; of the wings 10 lines.

a. ———? From Mr. Children's collection.

XYLOTA Libo, n. s., fem. *Æneo-purpurea, abdomine rufo, antennis nigris basi ferrugineis, pedibus æneis, tibiis piceis, tarsis fulvis, alis subfuscis.*

Body brassy purple, thinly clothed with tawny hairs: head and fore part of the chest covered with tawny bloom: eyes dark red, piceous in front; facets small: mouth black: feelers black; first joint ferruginous; bristle tawny: abdomen dark red, slightly pitchy on the sides and hind borders of the segments: legs thinly clothed with short hoary hairs; hips and thighs brassy; shanks piceous, tawny at the base; feet tawny, piceous at the tips; hind shanks darker than the other shanks, ferruginous at the base; claws and foot-cushions tawny, tips of the former black: wings slightly brown, darker along the fore borders; wing-ribs piceous; veins black, dark ferruginous towards the base; cross-veins clouded with brown; poisers tawny. Length of the body 5 lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

XYLOTA Anthreas, n. s., mas. *Ænea, fronte ventreque fulvis, abdominis lateribus chalybeo maculatis, antennis fuscis, pedibus æneis, tibiis anterioribus piceis, tarsis fulvis, alis subcinereis.*

Body brassy, clothed with tawny down: head tawny in front: eyes piceous; facets small: mouth black: feelers brown; bristle black: sides of abdominal segments adorned with large steel blue spots; underside tawny, except the tip: legs bronze black, clothed with short tawny hairs; shanks yellow at the base; four front shanks piceous, tawny at the base and at the tips: feet tawny:

wings slightly gray; wing-ribs piceous; veins black, ferruginous towards the base; poisers tawny. Length of the body 4½ lines; of the wings 9 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

XYLOTA flavifrons, *Barnston's MSS.*, mas. et fem. *Nigro-ænea, abdominis lateribus chalybeo maculatis, antennis ferrugineis, pedibus nigro-æneis, tibiis tarsisque nonnunquam fulvis, alis subfuscis.*

Male.—Body black, clothed with short tawny hairs: head as broad as the chest, covered with hoary bloom, clothed behind and beneath with short white hairs, beset behind and on the crown with longer black hairs: eyes dark red; facets small; mouth black; feelers dark ferruginous, black at the base: abdomen linear, a little narrower than the chest, and full thrice its length; segments adorned with large steel-blue spots on each side: legs brassy black, clothed with short tawny hairs; shanks and feet black, tawny at the base; foot-cushions tawny: wings slightly brown; wing-ribs and veins black, the latter ferruginous towards the base; poisers yellow. *Female.*—Shanks and feet black; knees ferruginous. Length of the body 4—5 lines; of the wings 7—8 lines.

Var. β. Male. Shanks and feet tawny, with black tips.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

XYLOTA communis, *Barnston's MSS.*, mas. et fem. *Nigro-ænea, abdomine nigro, lateribus æneo maculatis, antennis pedibusque nigris, tibiis basi fulvis, alis cinereis.*

Body brassy black: head as broad as the chest, covered with a slight hoary bloom: mouth and feelers black: eyes dark red: abdomen black; sides of the segments adorned with large brassy spots: legs black; shanks tawny at the base: wings gray, with a slight brown mark on the middle of the fore border. Length of the body 4½—5½ lines; of the wings 10—12 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

XYLOTA Æpalius, n. s., mas. *Ænea, fronte scutelloque fulvis, abdomine nigro-æneo, antennis ferrugineis, pedibus fulvis, alis subcinereis ad costam fulvis.*

Body brassy, thickly covered with tawny down; head a little broader than the chest; front tawny: eyes dark red; facets small:

mouth piceous: feelers ferruginous: scutcheon tawny: abdomen brassy black, a little narrower than the chest and less than twice its length: legs bright tawny, clothed with short tawny hairs; a darker streak along each thigh; shanks paler towards the base; tips of feet piceous: wings tawny along the fore borders on half the breadth, slightly gray along the hind borders; wing-ribs and veins piceous, the latter ferruginous towards the base; poisers tawny. Length of the body 5 lines; of the wings 9½ lines.

a. Georgia. From Mr. Abbot's collection.

Xylota laphriæformis, n. s. *Ænea, fronte ferrugineo, abdominis lateribus basi fulvis, antennis piceis, pedibus ferrugineis, femoribus basi fulvis, femoribus posticis et tibiis apice tarsisque piceis, alis subfulvis.*

Body brassy, thickly clothed with tawny hairs: head partly covered with tawny down, ferruginous in front: mouth pitchy; feelers pitchy, covered with whitish down, tawny at the base: eyes black; all the facets very small: abdomen elliptical, a little longer and broader than the chest, tawny on each side at the base: legs ferruginous, clothed with tawny hairs and down; thighs tawny towards the base; hind thighs covered beneath with short black spines, pitchy above towards the tips; shanks pitchy towards the tips; feet pitchy; claws and foot-cushions tawny; tips of claws black: wings slightly tawny; wing-ribs and veins ferruginous, the latter pitchy towards the wings; cross-veins clouded with brown; poisers yellow. Length of the body 5 lines; of the wings 10 lines.

a. ——— ? From Mr. Children's collection.

Xylota Oarus, n. s., mas. *Ænea, antennis ferrugineis, pedibus æneis, tarsis fulvis, tibiis anterioribus piceo-ferrugineis, tarsis posticis ferrugineis, alis subcinereis.*

Body brassy, very thickly clothed with pale tawny hairs: head a little narrower than the chest; front adorned with white shining down: eyes dark red; facets small: mouth piceous: feelers ferruginous; bristle tawny: abdomen a little narrower than the chest, less than twice its length: legs brassy, thickly clothed with pale tawny hairs; foot-cushions and claws tawny, the latter with black tips; pitchy streaks on the ferruginous shanks of the four front legs, whose knees and feet are tawny; hind knees and hind feet ferruginous: wings slightly gray; wing-ribs piceous; veins ferruginous, piceous towards the tips; poisers pale tawny. Length of the body 4 lines; of the wings 8 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

Xylota Badia, n. s., fem. *Ænea, abdomine nigro, basi lateribusque anticis flavis, antennis piceis basi fulvis, pedibus piceis fulvo variis, alis limpidis.*

Body brassy: head covered with pale tawny down, clothed behind with hoary hairs: mouth tawny: feelers pitchy, tawny at the base: eyes dark red: chest thickly clothed with long, pale tawny hairs: abdomen black, clothed with short hoary hairs, yellow on each side of the base, and thence in two narrow stripes beyond the middle: legs pitchy; thighs pale yellow towards the base; knees and extremities of shanks yellow; feet tawny; hind feet pitchy, tawny at the base: wings colourless; wing-ribs and poisers yellow; veins brown, yellow towards the base. Length of the body 4 lines; of the wings 8 lines.

a. New York. Presented by the Entomological Club.

Xylota Æthusa, n. s., fem. *Æneo-viridis, capite cyaneo, thoracis lateribus fulvescentibus, scutello abdominisque basi fulvis, antennis pedibusque fulvis, tarsis necnon femorum posticorum tibiarumque apicibus piceis, alis subcinereis ad costam fulvis.*

Head blue, covered with white silky down: feelers bright tawny: eyes red: chest brassy green, somewhat tawny on each side; breast grayish; scutcheon tawny: abdomen tawny towards the base; hind part wanting: legs tawny; feet, tips of the shanks and of the hind thighs pitchy: wings slightly gray, ferruginous from the base to the middle for full half the breadth from the fore borders; wing-ribs ferruginous; veins black, ferruginous towards the base. Length of the body 5 lines; of the wings 10 lines.

a. East Indies. From Archdeacon Clerk's collection.

Xylota sylvarum, *Meig. Dipt.* iii. 223, 17. *Macq. Hist. Nat. Dipt.* i. 520, 1. Musca sylvarum, *Linn. Syst. Nat.* ii. 985. *Faun. Suec.* 1804. *Gmel. Ed. Syst. Nat.* v. 2871, 37. Syrphus sylvarum, *Fabr. Sp. Ins.* ii. 427, 27. *Ent. Syst.* iv. 291. 48. S. impiger, *Panz. Faun. Germ.* xiv. 21. Milesia sylvarum, *Fabr. Syst. Antl.* 191, 13. *Latr. Gen. Crust.* iv. 332. *Fall. Syrph.* 10, 4. Musca fucatus, *Harr. Ex.* 83, *pl.* 24, *f.* 29.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

XYLOTA dibaphus, n. s. *Nigra, pilis fulvis hirta, thoracis margine antico lateribus scutelloque rufis, ventre piceo, pedibus rufis, alis nigro-fuscis.*

Body black, thinly clothed with short tawny hairs: head wanting: chest dull; sides and fore part of chest dark red: scutcheon dark red: abdomen shining, nearly oval, longer and a little broader than the chest; under side pitchy: legs red, clothed with short tawny hairs; foot-cushions tawny; tips of claws black: wings dark brown, adorned with purple lustre, pale gray along the hind borders; wing-ribs pitchy; veins black, pitchy towards the base; poisers tawny, with pale yellow knobs; scales very large, bright pale yellow. Length of the body 6 lines; of the wings 11 lines.

a. ——— ?

XYLOTA purpurea, n. s. *Purpurea, tibiis tarsisque nigris, femoribus posticis crassis, alis nigro-fuscis purpureo nitentibus.*

Head wanting: chest and abdomen purple, clothed with short black hairs: legs black, clothed with short hoary hairs; hips and thighs purplish black; hind thighs thick: wings blackish brown, tinged with purple, paler along the hind borders and at the tips; wing-ribs and veins black; poisers pitchy. Length of the body 6 lines; of the wings 10 lines.

a. ——— ? Presented by the Entomological Club.

MILESIA, *Latreille.*

MILESIA gigas, *Guerin, Belanger Voy. Ind. Orient.* 508, *pl.* 4, *f.* 7. *Macq. Hist. Nat. Dipt.* i. 533, 4. *Dipt. Exot.* ii. 80, 3, *pl.* 15, *f.* 3.

a. Java.

MILESIA ornata, *Fabr. Syst. Antl.* 188, 5. *Wied. Auss. Zweif.* ii. 106, 4. *Macq. Dipt. Exot.* ii. 81, 4, *pl.* 15, *f.* 4. Musca virginiensis, *Drury, Illustr.* ii. *pl.* 37, *f.* 6. Syrphus trifasciatus, *Hausm. Ent. Bemerk.* ii. 67, 10.

a. North America.

MILESIA Cœnina, n. s., fem. *Flava nigro varia, capite scutelloque fulvis, pectore nigro, lateribus flavo trimaculatis, abdomine fulvo, vitta fusca, segmentorum marginibus anticis flavis, antennis pedibusque fulvis, tibiis posticis subtus fusco fasciatis, alis subcinereis ad costam flavescentibus.*

Head tawny, yellow towards the mouth, which is pitchy: feelers awny; bristle darker towards the tip: eyes dark red, coppery in

front; facets all very small: chest yellow, adorned with a black stripe and with two square black spots in front, and with two obconical black marks behind; scutcheon tawny; breast black, with three yellow spots on each side: abdomen tawny; fore borders of the segments yellow; a brown stripe along the back, tapering from the base to the tip, and slightly interrupted on each segment: legs tawny, clothed with short black hairs; a short spine beneath near the tip of each hind thigh; a brown band beneath each hind shank: wings slightly gray, tinged with yellow along the fore borders, and having a small pale brown spot near the tip of the fore border; wing-ribs ferruginous; veins and poisers tawny. Length of the body 9—10 lines; of the wings 17—18 lines.
a. ——— ?

Milesia crabroniformis, *Fabr. Syst. Antl.* 187, 1. *Latr. Gen. Crust.* iv. 332. *Meig. Dipt.* iii. 227, 1. *Macq. Hist. Nat. Dipt.* i. 532, 1, *pl.* 12, *f.* 9. Syrphus crabroniformis, *Fabr. Sp. Ins.* ii. 430, 44. *Ent. Syst.* iv. 299, 78. Musca crabroniformis, *Gmel. Ed. Syst. Nat.* v. 2873, 355.
a. ——— ? From Mr. Children's collection.
b. Madeira.

——— Var.? Fem. *Ferruginea, capite fulvo fronte flavo, thorace ferrugineo flavo vario fuscoque vittato, abdomine fulvo, basi vitta suturisque fuscis, segmentorum marginibus anticis flavis, antennis rufis, pedibus ferrugineis, tibiis flavis, metatibiis fulvo fasciatis, alis subcinereis ad costam subfulvis.*

Head tawny, yellow in front: mouth black: feelers pale red; third joint nearly round; bristle pitchy, pale red towards the base, about thrice the length of the third joint; eyes bronzed; facets small; those on the fore part of the crown larger: chest ferruginous, yellow in front, clothed with short tawny hairs, adorned with a brown stripe in the middle, with a square brown spot on each side of the front, and with a short tapering stripe on each side behind: front dark brown, yellow in front, and adorned with two yellow spots on each side: abdomen tawny, obconical, as broad as the chest and much longer, dark brown at the base and along the sutures of the segments, and having a narrow, interrupted stripe of the same colour along the back, and a yellow band along the fore border of the segments: under side brownish, yellow on the sides of the fore borders of each segment: legs ferruginous, clothed with black hairs; shanks yellowish; a tawny band round each hind shank; foot-cushions yellow; tips of claws black: wings slightly gray, with a tawny tinge along the fore borders; wing-ribs ferruginous; veins

and poisers tawny. Length of the body 10 lines; of the wings 18 lines.

a. ——— ?

MILESIA Lamus, n. s., fem. *Flava nigro varia, abdomine fulvo, basi fasciis vittisque nigris, antennis fulvis, pedibus fulvis, tibiis posticis ferrugineo vittatis, femoribus posticis tarsisque ferrugineis, alis cinereis ad costam fuscis.*

Head yellow, with a black band across the crown, whence a black stripe extends to the base of the feelers; the latter are seated on a brown space, and a tawny stripe proceeds from them to the clypeus: mouth pitchy: feelers bright tawny; third joint nearly round: bristle about thrice its length, pitchy towards the tip: eyes coppery, varied with dark red; facets small: chest yellow, adorned with a square black spot on each side of the front, and with a black stripe along the middle joining a black band between the wings; another black band occupies the fore border of the scutcheon: breast black, yellow in front, and adorned with two yellow spots on each side: abdomen tawny, black at the base, adorned with two slender black bands along the fore borders of the segments; a black stripe extends from the base along half the length of the following segment, and thence passes to the sides of the abdomen by means of two slender slightly curved and retreating bands; another black stripe springs from the black suture of the following segment, but is much shorter than the first, and the bands in which it terminates are nearly straight; the third black suture does not emit a stripe, but from it proceed two black bands, which are oblique and irregular in their course to the sides of the abdomen; underside yellow, with a large black spot in the middle of each segment, and a brown spot on each side of its hind border: legs tawny; feet ferruginous, pitchy towards the tips; claws and foot-cushions yellow, tips of claws black; hind legs ferruginous, their shanks tawny, with ferruginous stripes: wings gray, brown along the fore borders for about half the breadth where the two colours are intermingled; wing-ribs tawny; veins pitchy, ferruginous along the fore border, tawny in the disk; poisers yellow. Length of the body 9 lines; of the wings 16 lines.

Var. *β*. Scutcheon black, excepting the hind border: wings gray, tinged with brown along the fore border for one-third of the breadth.

a. ——— ?

MILESIA Alcimus, n. s., mas. *Nigra flavo fusco et ferrugineo varia, abdomine fulvo fasciis nigris, antennis ferrugineo-fulvis, pedibus fulvis, femoribus posticis basi fusco vittatis, tibiis tarsisque anticis nigris, alis sublimpidis ad costam fuscis.*

Head black, with a short brown stripe on the front: mouth ferruginous: feelers tawny, partly ferruginous; third joint nearly round; bristle about thrice its length, pitchy at the tip: eyes tawny, varied with dark red; facets small, those on the fore part of the crown larger: chest black, adorned with two yellow spots on each side of the front, with a slightly curved tawny stripe on each side behind, and with two oblique ferruginous spots in front of the scutcheon, which is yellow: breast black, with an oblique yellow stripe on each side: abdomen tawny, nearly obconical, a little broader and much longer than the chest, adorned at the base with a broad black band which does not extend to the sides; fore borders of the segments irregularly black; underside black, with the exception of the sides and the hind borders of the segments: legs tawny; hips ferruginous; a short brown stripe on each hind thigh towards the base; fore shanks, fore feet, and tips of claws black: wings nearly colourless, brown along the fore borders for almost half the breadth; the outlines of the two colours are distinct; wing-ribs ferruginous; veins pitchy, ferruginous towards the base; poisers tawny. *Fem.*—Spots on the fore part of the chest tawny: hind borders of the wings slightly gray. Length of the body 7—8 lines; of the wings 12—16 lines.

a. ——— ?

MILESIA Bacuntius, n. s., mas. *Ferruginea, thoracis maculis duabus vittisque totidem nigris, abdomine ferrugineo, fulvo nigroque fasciato et maculis nigris ornato, pedibus ferrugineis, femoribus posticis nigris, tibiis basi tarsisque anterioribus fulvis, alis fuscis, cinereo variis fulvoque vittatis.*

Head ferruginous, tawny, and covered with yellowish white down in front: mouth pitchy: feelers pale red; third joint nearly round: eyes nearly black, dark red here and there; facets small, those on the fore part of the crown larger: chest and breast ferruginous: chest with a small black spot in front, another in front of the scutcheon, and two short black stripes on the disk; scutcheon tawny, ferruginous along the fore border; disk of the breast mostly black: abdomen ferruginous; hind borders of the segments tawny; a black band along the fore border of each segment, widening into a triangular black spot on the disk; these spots decrease successively in size from the base of the abdomen: legs ferruginous; four front shanks towards the base and four front feet tawny; hind

thighs very thick, mostly black above; a stout tooth on each hind shank; claws and foot-cushions yellow; tips of claws black: wings brown, gray on the disks of the segments and along the hind borders, and adorned with a pale tawny streak from the base to the middle of the disk; wing-ribs tawny; veins pitchy, partly tawny towards the base; poisers tawny. Length of the body 5½—6½ lines; of the wings 10—13 lines.

a. Georgia. From Mr. Abbot's collection.

Milesia Ania, n. s., fem. *Nigra, thorace pilis flavis bimaculato et unifasciato, scutello ferrugineo, abdomine rufo fascia postica flava, apice ventreque cyaneis, antennis pedibusque nigris, alis subcinereis, ad costam fuscis.*

Head black, adorned with white down: mouth black: feelers black; bristle nearly twice the length of the third joint, which is elliptical: chest and breast black, clothed with black hairs: chest adorned with two spots of bright yellow hairs in front, and with a band of the same behind; scutcheon ferruginous: abdomen deep red, adorned with a yellow band towards the tip, which is bright blue; underside blue: legs black; claws tawny, with black tips; foot-cushions yellow: wings light gray, brown along the fore borders; wing-ribs black; veins black, tawny along the fore borders; poisers pitchy. Length of the body 7 lines; of the wings 14 lines.

a. Jamaica. From Mr. Gosse's collection.

Milesia cruciger, *Wied. Auss. Zweif.* ii. 105, 2.
a. Florida. Presented by E. Doubleday, Esq.
b. North America. Presented by the Entomological Club.
c. Georgia. From Mr. Abbot's collection.

Milesia vespiformis, *Fall. Syrph.* 9, 3, iv. 332. *Meig. Dipt.* iii. 232, 5. *Macq. Hist. Nat. Dipt.* i. 533, 5. *Zett. Ins. Lapp.* 587, 1. Musca vespiformis, *Linn. Syst. Nat.* ii. 986. *Faun. Suec.* 1811. *Gmel. Ed. Syst. Nat.* v. 2873, 44. *Deg. Ins.* vi. 54, 13. *Turt.* iii. 647. Syrphus vespiformis, *Fabr. Sp. Ins.* ii. 430, 46. S. apiformis, *Fabr. Ent. Syst.* iv. 300, 80. *Panz. Faun. Germ.* 90, 19.? Milesia apiformis, *Latr. Gen. Crust.* iv. 332.?
a. South of France. Presented by F. Walker, Esq.
b. ——— ?
c. ——— ? From Mr. Children's collection.

——— Var.? Mas. *Nigra, pilisfulvis vestita, antennis pedibusque fulvis, tibiis tarsisque anticis nigris, alis limpidis ad costam fulvis.*

Head black, covered with tawny down, clothed with black hairs on the crown and behind the eyes: mouth black: feelers bright tawny; bristle pitchy at the tip, about thrice the length of the third joint, which is nearly round: eyes pitchy; facets small; those on the fore part of the crown larger: chest and breast black; the former thinly clothed with tawny hairs: abdomen nearly obconical, black, covered with tawny down, a little broader and much longer than the chest: legs tawny; fore shanks and fore feet black; claws black towards the tips: wings colourless, tawny along the fore borders for half the breadth: wing-ribs pitchy; veins and poisers tawny. Length of the body 7 lines; of the wings 12 lines.

a. Marseilles.

Milesia diopthalma, *Fabr. Syst. Antl.* 187, 2. *Latr. Gen. Crust.* iv. 332. *Cons. Gén.* 443. *Fall. Syrph.* 8, 2. *Meig. Dipt.* iii. 229, 3. *Macq. Hist. Nat. Dipt.* 532, 2. Musca diopthalma, *Linn. Faun. Suec.* 1810. *Gmel. Ed. Syst. Nat.* v. 2873, 43. Syrphus diopthalmus, *Fabr. Sp. Ins.* ii. 430, 45. *Ent. Syst.* iv. 300, 79. *Panz. Faun. Germ.* lxxii. 23.

a. Ukraine. Presented by Dr. Dowler.

Milesia saltuum, *Fabr. Syst. Antl.* 189, 9. *Meig. Dipt.* iii. 230, 4. Syrphus saltuum, *Fabr. Ent. Syst.* iv. 287, 32.

a. South of France. Presented by F. Walker, Esq.

b. France.

Milesia Daochus, n. s., fem. *Flava nigro varia, abdominis fasciis octo nigris, antennis pedibusque fulvis, femoribus basi flavis, tibiis tarsisque anticis nigris, alis limpidis ad costam fuscis.*

Head yellow, with a black band across the crown embracing the eyelets, whence a black stripe extends to the base of the feelers, and thence to the clypeus; a black stripe on each side between the clypeus and the corners of the eyes: mouth dark ferruginous: feelers bright tawny; bristle more than twice the length of the third joint, which is nearly round: eyes dark red; facets small, those on the fore part of the crown rather larger: chest black, adorned with yellow, which is disposed in two short stripes on the fore part of the back, these stripes are united in front; on each shoulder there is a yellow spot, behind which there is a short yellow band, and the latter is succeeded by a short yellow stripe; there are also two yellow spots in front of the scutcheon, which is yellow with a black hind

border: breast black, with two yellow spots on each side: abdomen yellow, nearly oval, broader and much longer than the chest, adorned with eight black bands, which are alternately broad and narrow: legs tawny; thighs yellow towards the base; hind thighs unarmed; fore shanks and fore feet black, the former tawny at the base; tips of claws black: wings colourless, brown along the fore borders for more than one-third of the breadth; wing-ribs and veins tawny; poisers yellow. Length of the body 6 lines; of the wings 11 lines.

a. ———?

MILESIA Canusium, n. s., fem. *Nigra, thorace maculis duabus flavis, pilis flavis fasciato, abdomine ferrugineo, segmentorum marginibus posticis fulvis, pedibus fulvis, alis limpidis ad costam fulvis.*

Head partly tawny: chest black, adorned in front with two yellow spots, behind which there is a band of yellow hairs just in front of the wings, it is interrupted on the middle of the chest and on that of the breast; in front of the scutcheon there is another band of yellow hairs which do not extend to the breast: abdomen ferruginous, obconical, longer and a little broader than the chest; hind borders of segments tawny: legs tawny; tips of claws black: wings colourless, tawny along the fore borders for nearly half the breadth; wing-ribs black; veins and poisers tawny. Length of the body 5 lines; of the wings 10 lines.

a. Cape of Good Hope.

MILESIA fulminans, *Meig. Dipt.* iii. 228, 2. *pl.* 29, *f.* 8. *Macq. Hist. Nat. Dipt.* i. 532, 2. Eristalis fulminans, *Fabr. Syst. Antl.* 241, 39.

a. South of France. Presented by the Entomological Club.

MILESIA fallax, *Fabr. Syst. Antl.* 190, 10. *Meig. Dipt.* iii. 235, 9. *Macq. Hist. Nat. Dipt.* i. 534, 8. Musca fallax, *Linn. Faun. Suec.* 1812. *Gmel. Ed. Syst. Nat.* v. 2871, 35. Syrphus fallax, *Fabr. Sp. Ins.* ii. 426, 26. *Ent. Syst.* iv. 291, 47. S. semirufus, *Fabr. Ent. Syst.* iv. 301, 85. E. semirufus, *Fabr. Syst. Antl.* 243, 51. *Full. Syrph.* 51, 3.

a. ———? From Mr. Children's collection.

MILESIA bilineata, *White, Zool. Voy. Erebus and Terror.* Fem.— *Nigra thoracis vittis duabus lateribus pectoreque fulvis, antennis pedibusque nigris, alis cinereis.*

Body black: head as broad as the chest, covered behind and in front with pale tawny down: mouth and feelers black: eyes black;

facets on the fore part of the crown larger than those elsewhere: chest adorned with two pale tawny stripes; its sides and the breast also pale tawny: breast covered with hoary bloom; scutcheon clothed with long tawny hairs: abdomen long-obconical, longer and a little narrower than the chest, clothed beneath with tawny hairs: legs black, clothed with short tawny hairs; hind thighs rather thick, toothed beneath; claws and foot-cushions yellow; tips of claws black: wings dark gray; wing-ribs and veins black; poisers tawny. Length of the body 7 lines; of the wings 10 lines.

a. Port Nicholson, New Zealand. From Mr. Earl's collection.

MILESIA speciosa, *Fabr. Syst. Antl.* 188, 6. *Latr. Gen. Crust.* iv. 332. *Meig. Dipt.* iii. 234, 7. *Curt. Brit. Ent. pl.* 34. *Macq. Hist. Nat. Dipt.* i. 534, 7. Syrphus speciosus, *Panz. Faun. Germ.* liv. 6.

a. England.

b. France. Presented by F. Walker, Esq.

c. ———?

MILESIA Amithaon, n. s., mas. *Nigra, pilis fulvis vestita, abdominis lateribus pilis fulvis nigrisque vestitis, antennis pedibusque nigris, alis cinereis ad costam fuscis fuscoque venosis.*

Body black, shining: head as broad as the chest, clothed with dark tawny hairs: mouth and feelers black; eyes brassy black; facets on the fore part of the crown rather larger than those elsewhere: chest clothed with dark tawny hairs: abdomen nearly linear, as broad as the chest and much longer; sides clothed alternately with black and dark tawny hairs: legs black, clothed with black hairs; foot-cushions and claws dark tawny; tips of claws black; hind thighs very thick, toothed beneath; hind shanks curved, with a knob on the inner side: wings dark gray, brown along the fore borders and on the sides of the veins of the disk; wing-ribs and veins black, some of the latter ferruginous towards the base; poisers ferruginous. Length of the body 7½ lines; of the wings 15 lines.

a. North Carolina.

MILESIA Bubulcus, n. s., mas. *Nigro-fusca, pilis fulvis vestita, abdominis apice pilis nigris hirto, antennis pedibusque nigris, tibiis tarsisque anterioribus ferrugineis, tibiis posticis piceis, alis cinereis basi et ad costam subfulvis.*

Body black: head covered with pale tawny down, clothed with pale tawny hairs; clypeus prominent: mouth and feelers black: eyes pitchy, bronzed here and there; facets on the fore part of the crown larger than those elsewhere: chest dark brown, clothed with

long pale tawny hairs: abdomen dark brown, nearly linear, longer, but hardly broader than the chest, clothed with bright tawny hairs; the hairs at the base are pale, those at the tip are black: legs black, clothed with tawny hairs; feet and four front shanks ferruginous; tips of claws black; hind thighs rather thick, unarmed; hind shanks pitchy, somewhat swelling towards the tips: wings gray, slightly tawny at the base and along the fore borders; wing-ribs and veins black, the latter ferruginous at the base and along the fore borders; poisers tawny. Length of the body 8 lines; of the wings 17 lines.

a. ——— ?

Milesia verbosa, *Harris, Catalogue Ins. Massachusetts.* Fem.—*Nigra, pilis fulvis vestita, thorace pilis nigris fasciato, abdominis apice pilis nigris albidisque vario, antennis nigris apice ferrugineis, pedibus ferrugineis, femoribus nigris, alis limpidis basi ferrugineis ad costam subfulvis.*

Body black: head a little narrower than the chest, thickly clothed with tawny hairs, covered in front with white down; clypeus prominent: mouth and feelers black; third joint of the feelers ferruginous, nearly round: eyes black; all the facets very small: chest thickly clothed with tawny hairs; a band of black hairs between the wings; breast clothed with pale tawny hairs: abdomen obconical, a little narrower and much longer than the chest, clothed with tawny hairs, and at the tip with black and whitish hairs: legs ferruginous, thinly clothed with tawny hairs; thighs and tips of claws black; hind thighs thick, unarmed; hind shanks curved, banded with black: wings colourless, ferruginous at the base, slightly tawny along the borders of the veins; wing-ribs black; veins pitchy; poisers ferruginous. Length of the body 8 lines; of the wings 15 lines.

a. North America. Presented by the Entomological Club.

Pipiza, *Fallen.*

Pipiza ornata, *Meig. Dipt.* iii. 243, 3.

a. ——— ?

Pipiza noctiluca, *Fall. Syrph.* 59, 2. *Meig. Dipt.* iii. 244, 6. *Macq. Hist. Nat. Dipt.* i. 568, 3. *Zett. Ins. Lapp.* 615, 1. Musca noctiluca, *Linn. Faun. Suec.* 1814. *Gmel. Ed. Syst. Nat.* v. 2874, 48. Syrphus noctilucus, *Fabr. Sp. Ins.* ii. 431, 54. *Ent. Syst.* iv. 304, 98. S. Rosarum, *Panz. Faun. Germ.* 95, 21. Eristalis noctilucus, *Fabr. Syst. Antl.* 247, 69. Milesia noctiluca, *Latr. Gen. Crust.* iv. 332.

a. England.

b. France.

Pipiza signata, *Meig. Dipt.* iii. 246, 8.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Pipiza bimaculata, *Meig. Dipt.* iii. 246, 9.
a. England.
b. ———?

Pipiza lucida, *Meig. Dipt.* iii. 247, 11.
a. England.
b. ——— ? From Mr. Children's collection.

Pipiza quadrimaculata, *Fall. Syrph.* 59, 3. *Meig. Dipt.* iii. 249, 16. *Macq. Hist. Nat. Dipt.* i. 570, 9. *Zett. Ins. Lapp.* 616, 6. Syrphus quadrimaculatus, *Panz. Faun. Germ.* 86, 19.
a. France. From Mr. Children's collection.

Pipiza funebris, *Meig. Dipt.* iii. 250, 17. *Macq. Hist. Nat. Dipt.* i. 570, 11.
a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. ———?
d. ——— ? From Mr. Children's collection.

Pipiza lugubris, *Meig. Dipt.* iii. 250, 18. *Macq. Hist. Nat. Dipt.* i. 571, 13. *Zett. Ins. Lapp.* 617, 7. Syrphus lugubris, *Fabr. Sp. Ins.* ii. 431, 50. *Ent. Syst.* iv. 303, 91. Musca mœsta, *Gmel. Ed. Syst. Nat.* v. 2874, 358. M. lugubris, *Schrank, Faun. Boic.* iii. 2416. Eristalis lugubris, *Fabr. Syst. Antl.* 246, 64.
a. England.
b. France.

Pipiza melancholica, *Meig. Dipt.* iii. 251, 20.
a. England.
b. ———?

Pipiza virens, *Meig. Dipt.* iii. 253, 26. *Macq. Hist. Nat. Dipt.* i. 572, 17. Mulio virens, *Syst. Antl.* 186, 12. Pipiza campestris, *Fall. Syrph.* 59, 4.
a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. France.

Pipiza fulvitarsis, *Macq. Dipt. Nord.* 19. *Hist. Nat. Dipt.* i. 572, 19.
a. England.

Pipiza costalis, *Walker, Linn. Trans.* xvii. 342, 31.
a. South America. Presented by the Entomological Club.

Pipiza longicornis, *Walker, Linn. Trans.* xvii. 343, 32.
a. South America. Presented by the Entomological Club.

Pipiza sericea, *Walker, Linn. Trans.* xvii. 343, 33.
a. South America. Presented by the Entomological Club.

Rhingia, *Scopoli.*

Rhingia rostrata, *Fabr. Sp. Ins.* ii. 460, 1. *Ent. Syst.* iv. 374, 1. *Syst. Antl.* 222, 1. *Schrank, Faun. Boic.* iii. 2538. *Panz. Faun. Germ.* lxxxvii. 22. *Latr. Gen. Crust.* iv. 320. *Cons. Gén.* 443. *Fall. Syrph.* 33, 1. *Macq. Hist. Nat. Dipt.* i. 529, 1, *pl.* 12, *f.* 5. Var. Musca nasutus, *Harr. Ex.* 105, *pl.* 32, *f.* 35. Conops rostrata, *Linn. Syst. Nat.* ii. 1004, 1. *Schrank, Ins. Austr.* 989. Stomoxys rostrata, *Gmel. Ed. Syst. Nat.* v. 2892, 8. *Stew, El.* ii. 271. *Shaw, Gen. Zool.* vi. 396, *pl.* 111, *f. inf.* *Turt.* iii. 670.
a. England.
b. France.
c. ———— ? From Mr. Children's collection.

Rhingia campestris, *Meig. Dipt.* iii. 259, 2. *Ing. Inst.* 91. *Curt. Brit. Ent. pl.* 182. *Macq. Hist. Nat. Dipt.* i. 529, 2. Musca rostrata, *Deg. Ins.* vi. 57, 19, *pl.* vii. *f.* 21—23. *Schell. Gen. Mouch. pl.* viii. Rhingia rostrata, Var., *Fall. Syrph.* 33, 1. Musca macrocephala, *Harr. Ex.* 22, *pl.* 24, *f.* 27.
a. England.
b. France.
c. ———— ? From Mr. Children's collection.

Rhingia nasica, *Say, Journ. Acad. Philad.* iii. 94.
a. New York. Presented by the Entomological Club.
b. Trenton Falls, New York. Presented by E. Doubleday, Esq.
c. Nova Scotia. From Lieut. Redman's collection.

Brachyopa, *Hoffmansegg.*

Brachyopa conica, *Meig. Dipt.* iii. 261, 1. *Macq. Hist. Nat. Dipt.* i. 530, 1. Musca conica? *Panz. Faun. Germ.* 60, 20. Rhingia testacea? *Fall. Syrph.* 34, 4. *Zett. Ins. Lapp.* 597, 2.
a. ———— ? From Mr. Children's collection.

Brachyopa bicolor, *Meig. Dipt.* iii. 262, 2, *pl.* 30, *f.* 6. *Macq. Hist. Nat. Dipt.* i. 531, 2, *pl.* 12, *f.* 6. Rhingia bicolor, *Fall. Syrph.* 33, 2.
a. England.
b. ———— ? From Mr. Children's collection.

Brachyopa rufo-cyanea, *Walker, Ent. Mag.* ii. 472.
a. New Holland. Presented by the Entomological Club.

Chrysogaster, *Meigen.*

Group I. *Meig. pl.* 30, *f.* 17.

Chrysogaster splendens, *Meig. Dipt.* iii. 266, 1. *Macq. Hist. Nat. Dipt.* i. 560, 1. *Loew, Ent. Zeit. Stettin*, iv. 209, 1.
a. England.
b. France.

Chrysogaster violacea, *Meig. Dipt.* iii. 267, 2. *Macq. Hist. Nat. Dipt.* i. 561, 2. *Loew, Ent. Zeit. Stettin*, iv. 2102.
a. England.
b. ———— ?

Chrysogaster metallica, *Meig. Dipt.* iii. 267, 3. *Macq. Hist. Nat. Dipt.* i. 561, 3. *Zett. Ins. Lapp.* 615, 1. *Loew, Ent. Zeit. Stettin*, iv. 211, 3. Syrphus metallinus, *Fabr. Sp. Ins.* ii. 431, 52. *Ent. Syst.* iv. 303, 95. Musca metallina, *Gmel. Ed. Syst. Nat.* v. 2874, 359. Eristatis metallicus, *Fabr. Syst. Antl.* 246, 67. *Fall. Syrph.* 57, 16. Chrysogaster discicornis, *Megerle. Meig. Dipt.* iii. 270, 8. *Loew, Ent. Zeit. Stettin*, iv. 254, 13.
a. England.
b. France.
c. Aix-la-Chapelle. Presented by F. Walker, Esq.

Chrysogaster cœmeteriorum, *Meig. Dipt.* iii. 268, 5. *Macq. Hist. Nat. Dipt.* i. 562, 7, *pl.* 12, *f.* 15. *Loew, Ent. Zeit. Stettin*, iv. 246, 8. Musca cœmeteriorum, *Gmel. Ed. Syst. Nat.* v. 2878, 82. *Don. Brit. Ins.* xii. 20, *pl.* 401, *f.* 2. Syrphus cœmeteriorum, *Fabr. Ent. Syst.* iv. 303, 94. *Panz. Faun. Germ.* lxxxii. 17. Eristalis cœmeteriorum, *Fabr. Syst. Antl.* 246, 65. E. solstitialis, *Fall. Syrph.* 56, 14.
a. England.
b. ———— ? From Mr. Children's collection.
c. Aix-la-Chapelle. Presented by F. Walker, Esq.

CHRYSOGASTER viduata, *Meig. Dipt.* iii. 269, 6. *Macq. Hist. Nat. Dipt.* i. 562, 9. *Loew, Ent. Zeit. Stettin*, iv. 248, 9. Musca viduata, *Linn. Syst. Nat.* ii. 994. *Faun. Suec.* 1852. *Gmel. Ed. Syst. Nat.* v. 2850, 94. *Turt.* iii. 611. Eristalis viduata, *Fall. Syrph.* 56, 15.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

CHRYSOGASTER grandicornis, *Meig. Dipt.* iii. 270, 7. *Macq. Hist. Nat. Dipt.* i. 563, 11. *Loew, Ent. Zeit. Stettin*, iv. 253, 12. Musca politus? *Harr. Ex.* 81, *pl.* 24, *f.* 26.

a. England.

CHRYSOGASTER splendida, *Megerle. Meig. Dipt.* iii. 271, 11. *Macq. Hist. Nat. Dipt.* i. 563, 12. *Loew, Ent. Zeit. Stettin*, iv. 258, 16.

a. England.
b. ——— ? From Mr. Children's collection.

CHRYSOGASTER Apisaon, n. s., mas. *Nigro-viridis, antennis pedibusque nigris, tibiis basi genubusque ferrugineis, tarsis fulvis, alis limpidis.*

Body greenish black: head clothed with black hairs: mouth and feelers black; third joint of the latter long and linear: eyes dark red, very hairy: chest thinly covered with tawny down; sides of the hind chest and of the base of the abdomen clothed with short hoary hairs: legs black; shanks towards the base and knees ferruginous; feet tawny, with black tips: wings colourless; wing-ribs and poisers ferruginous; veins piceous, yellow towards the base. Length of the body 3 lines; of the wings 6 lines.

a. New York. Presented by the Entomological Club.

CHRYSOGASTER Antitheus, n. s., fem. *Nigro-cyanea, antennis nigris apice rufis, pedibus cyaneo-nigris, tarsis piceis, alis limpidis.*

Body short, bluish black, shining: head dark blue, nearly as broad as the chest: eyes dark red: mouth black: feelers black; third joint pale red, very broad: abdomen broader, but not longer than the chest; disk dull: legs bluish black; feet piceous: wings colourless; wing-ribs and veins piceous, the latter black towards the tips; poisers tawny, with black knobs. Length of the body 2½ lines; of the wings 5 lines.

a. New York.

Group II. *Meig. pl.* 30, *f.* 18. ORTHONEURA, *Macquart.*

CHRYSOGASTER nobilis, *Meig. Dipt.* iii. 272, 13. *Loew, Ent. Zeit. Stettin*, iv. 262, 18, *pl.* 3, *f.* 16, 18. C. nigricollis, *Megerle, Meig. Dipt.* iii. 12. Eristalis nobilis, *Fall. Syrph.* 57, 17. Orthoneura nobilis, *Macq. Hist. Nat. Dipt.* i. 564, 2.
a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. France.

SYRPHUS, *Fabricius.*

Group I. Cheilosia, *Megerle.*

SYRPHUS ruficornis, *Fabr. Sp. Ins.* ii. 431, 48. *Ent. Syst.* iv. 301, 84. *Panz. Faun. Germ.* lxxvii. 20. *Meig. Dipt.* iii. 278, 1. M. rutilo, *Harr. Ex.* 80, *pl.* 24, *f.* 21. Musca ruficornis, *Gmel. Ed. Syst. Nat.* v. 2874, 356. Eristalis ruficornis, *Fabr. Syst. Antl.* 243, 50. *Fall. Syrph.* 50, 2. *Zett. Ins. Lapp.* 610, 2. Elophilus ruficornis, *Latr. Gen. Crust.* iv. 324. Cheilosia ruficornis, *Macq. Dipt. Nord.* 59, 17. *Hist. Nat. Dipt.* i. 555, 1, *pl.* 12, *f.* 14.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

SYRPHUS œstraceus, *Fabr. Sp. Ins.* ii. 426, 23. *Ent. Syst.* iv. 290, 44. *Fall. Syrph.* 21, 9. *Meig. Dipt.* iii. 279, 2. Musca œstracea, *Linn. Faun. Suec.* 1801. *Gmel. Ed. Syst. Nat.* v. 2871, 34. *Deg. Ins.* vi. 60, 4. *Herbst, Gem. Nat.* viii. 166, 7, *pl.* 340, *f.* 2. *Schæff. Icon. pl.* 10, *f.* 6. *Turt.* iii. 642. *Schell. Gen. Mouch. pl.* 11, *f.* 2. M. illustratus, *Harr. Ex.* 104, *pl.* 32, *f.* 32. Eristalis œstraceus, *Fabr. Syst. Antl.* 240, 34. *Latr. Gen. Crust.* iv. 323. Syrphus rupestris, *Panz. Faun. Germ.* 59, 13. Cheilosia œstracea, *Macq. Hist. Nat. Dipt.* i. 555, 2.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

SYRPHUS œstriformis, *Barnston's MSS.*, mas. *Niger, thoracis pilis anticis nigris posticis fulvis, scutello fulvo, abdomine pilis albis nigris fulvisque fasciato, antennis piceis, pedibus nigris, alis limpidis fusco unimaculatis.*

Body black: head clothed with dull tawny hairs, shining and prominent in front: mouth pitchy: feelers pitchy; bristle ferrugi-

nous, downy: eyes pitchy, each with a broad stripe of short black hairs; all the facets very small: chest clothed with short black hairs, and on the hinder part with pale tawny hairs; scutcheon tawny, very thickly clothed with pale tawny hairs: abdomen nearly oval, broader and a little longer than the chest, clothed with white hairs at the base, with black hairs in the middle, and with bright tawny hairs towards the tip: legs black, clothed with short black hairs; knees pitchy; shanks and feet clothed beneath with tawny down; hind feet tawny; claws and foot-cushions tawny; tips of claws black: wings colourless; a large dark brown spot in the disk; wing-ribs pitchy; veins black, ferruginous towards the base and along the fore borders; poisers ferruginous. Length of the body 7 lines; of the wings 14 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Syrphus chrysocomus, *Meig. Dipt.* iii. 280, 4. Cheilosia chrysocoma, *Macq. Hist. Nat. Dipt.* i. 556, 4.

a. Ragatz, Switzerland. From Mr. Walker's collection.

Syrphus grossus, *Meig. Dipt.* iii. 281, 5. Cheilosia grossa, *Macq. Hist. Nat. Dipt.* i. 556, 5. Eristalis grossa, *Fall. Syrph.* 53, 6.

a. ——— ? From Mr. Children's collection.

Syrphus variabilis, *Panz. Faun. Germ.* 60, 10. *Latr. Gen. Crust.* iv. 325. *Meig. Dipt.* iii. 281, 6. Eristalis ater, *Fabr. Syst. Antl.* 246, 66. E. nigrita, *Fabr. Syst. Antl.* 244, 55. E. variabilis, *Fall. Syrph.* 54, 9. Cheilosia variabilis, *Macq. Hist. Nat. Dipt.* i. 557, 9.

a. England.
b. France.
c. Aix-la-Chapelle. Presented by F. Walker, Esq.
d. ——— ? From Mr. Children's collection.

Syrphus nigrinus, *Meig. Dipt.* iii. 282, 7.

a. England. Presented by F. Walker, Esq.

Syrphus viduus, *Meig. Dipt.* iii. 282, 9. Cheilosia vidua, *Macq. Hist. Nat. Dipt.* i. 556, 6. Musca viduata, *Fabr. Sp. Ins.* ii. 446, 54. *Ent. Syst.* iv. 336, 100. M. burdus? *Harr. Ex.* 106, *pl.* 32, *f.* 39.

a. England.
b. ——— ? From Mr. Children's collection.
c. ——— ?

SYRPHUS mutabilis, *Meig. Dipt.* iii. 281, 10. Cheilosia mutabilis, *Macq. Hist. Nat. Dipt.* i. 558, 14. Eristalis mutabilis, *Fall. Syrph.* 54, 10. *Zett. Ins. Lapp.* 614, 18.
a. ——— ? From Mr. Children's collection.

SYRPHUS Chlorus, *Meig. Dipt.* iii. 284, 11. Cheilosia chloris, *Macq. Hist. Nat. Dipt.* i. 558, 15.
a. France.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.

SYRPHUS scutellatus, *Meig. Dipt.* iii. 284, 12, *pl.* 30, *f.* 29, 30. M. tarditus, *Harr. Ex.* 106, *pl.* 32, *f.* 40. Eristalis scutellata, *Fall. Syrph.* 55, 13. *Zett. Ins. Lapp.* 613, 17. Cheilosia scutellata, *Macq. Hist. Nat. Dipt.* i. 560, 21.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

SYRPHUS means, *Fabr. Ent. Syst. Suppl.* 562, 63, 64. *Meig. Dipt.* iii. 285, 13. Milesia means, *Fabr. Syst. Antl.* 192, 19. Cheilosia means, *Macq. Hist. Nat. Dipt.* i. 560, 20.
a. England.
b. ——— ? From Mr. Children's collection.

SYRPHUS flavipes, *Panz. Faun. Germ.* 54, 10. *Meig. Dipt.* iii. 288, 19. Eristalis flavipes, *Zett. Ins. Lapp.* 611, 5.
a. ——— ? From Mr. Children's collection.

SYRPHUS vernalis, *Meig. Dipt.* iii. 290, 23. Eristalis vernalis, *Fall. Syrph.* 55, 12? *Zett. Ins. Lapp.* 611, 10? Cheilosia vernalis, *Macq. Hist. Nat. Dipt.* i. 557, 11.
a. ——— ? From Mr. Children's collection.

SYRPHUS maculatus, *Meig. Dipt.* iii. 295, 34. Eristalis maculata, *Fall. Syrph.* 52, 6.
a. England.
b. England. Presented by F. Walker, Esq.
c. ——— ? From Mr. Children's collection.

SYRPHUS latrans, *Barnston's MSS.*, mas. *Nigro-æneus, antennis ferrugineis, pedibus nigris, genubus ferrugineis, tarsis piceis, alis nigro-fuscis.* Fem. — *Tibiis basi tarsisque fulvis, alis sublimpidis.*

Male.—Brassy black: head beset with black hairs: eyes dark red: mouth and feelers ferruginous, bristle black: region of the mouth covered with hoary bloom and clothed with short hoary

hairs: chest clothed with black hairs: breast slightly gray: abdomen brassy, clothed with short tawny hairs: legs black; knees ferruginous; feet piceous: wings dark brown, especially along the fore borders; wing-ribs piceous; veins black; poisers tawny. *Female.* — Shanks tawny towards the base; feet tawny at the tips and beneath: wings nearly colourless. Length of the body 3—3½ lines; of the wings 6—7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group II.

SYRPHUS Lucorum, *Fabr. Sp. Ins.* ii. 426, 25. *Ent. Syst.* iv. 291, 46. *Meig. Dipt.* iii. 313, 58, *pl.* 30, *f.* 27. *Macq. Hist. Nat. Dipt.* i. 537, 8. Musca Lucorum, *Linn. Syst. Nat.* ii. 985. *Faun. Suec.* 1803. *Gmel. Ed. Syst. Nat.* v. 2871, 36. *Turt.* iii. 643. M. pellucens, *Harr. Ex.* 82, *pl.* 24, *f.* 28. Eristalis Lucorum, *Fabr. Syst. Antl.* 241, 37. *Fall. Syrph.* 50, 1. *Zett. Ins. Lapp.* 610, 1.

a. England.

b. ——— ?

SYRPHUS amplus, n. s., fem. *Niger, pilis fulvis hirtus, abdomine pilis nigris late fasciato, antennis nigris, pedibus fulvis, tibiis posticis femoribusque piceis, alis subcinereis ad costam fusco maculatis.*

Body black: head clothed with short tawny hairs, covered with tawny down, beset on the crown with some brown hairs, bright yellow in front: mouth pitchy: feelers black; bristle tawny: eyes pitchy; all the facets small: chest very thickly clothed with dull tawny hairs: breast less thickly clothed: abdomen nearly round, longer and much broader than the chest, its length hardly exceeding its breadth, clothed with pale tawny hairs for more than one-third of the length, then succeeds a broad band of black hairs, and the tip is clothed with longer pale tawny hairs: legs tawny, clothed with short tawny hairs; thighs and hind shanks pitchy, clothed with black hairs; shanks and feet darker towards the tips; claws and foot-cushions tawny; tips of claws black: wings slightly tinged with gray, adorned with an irregular brown spot beneath the middle of the fore border; wing-ribs and veins pitchy, the latter ferruginous towards the base; poisers tawny, with a pitchy spot on the knob. Length of the body 6 lines; of the wings 15 lines.

a. ——— ? From Mr. Children's collection.

Group III. Doros, *Meigen.*

SYRPHUS conopseus, *Fabr. Sp. Ins.* ii. 429, 38. *Ent. Syst.* iv. 297, 69. *Latr. Gen. Crust.* iv. 325. *Cons. Gén.* 443. *Meig. Dipt.* 296, 35. S. coarctatus, *Panz. Faun. Ins. Germ.* 45, *f.* 22. Musca conopsea, *Gmel. Ed. Syst. Nat.* v. 2868, 21. *Schell. Gen. Mouch. pl.* 10, *f.* 1. *Turt.* iii. 645. M. profuges, *Harr. Ex.* 81, *pl.* 24, *f.* 25. Mulio conopseus, *Fabr. Ent. Syst. Suppl.* 559, 6. Milesia conopsea, *Fall. Syst. Antl.* 5, 29. Scæva conopsea, *Fall. Syrph.* 37, 2. Doros conopseus, *Meig. Macq. Hist. Nat. Dipt.* i. 5550, 1.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

SYRPHUS Balyras, n. s., fem. *Niger, thoracis lateribus flavo trimaculatis, abdomine fasciis quatuor flavis arcuatis ornato, antennis fulvis, pedibus flavis, femoribus posterioribus nigro cinctis, tibiis posticis apice piceis, pedibus anticis nigris, alis limpidis.*

Body black: head covered with golden down: eyes dark red, their facets larger in front: feelers and their bristles bright tawny: chest clothed with short tawny hairs, adorned with three yellow spots on each side; the middle pair of spots transverse and extending to the breast: abdomen convex, adorned with four slightly arched, yellow bands: legs yellow; four hinder thighs with broad black bands; hind shanks pitchy towards the tips; fore legs black, their shanks yellow at the base: wings colourless, tawny along the fore borders for nearly half the breadth; wing-ribs and veins pale tawny; poisers reddish tawny. Length of the body 5 lines; of the wings 9 lines.

a. New York. Presented by the Entomological Club.
b. Trenton Falls. Presented by E. Doubleday, Esq.

Group IV. Scæva, *Fallen.*

SYRPHUS festivus, *Fabr. Sp. Ins.* ii. 430, 47. *Ent. Syst.* iv. 300, 82. *Latr. Gen. Crust.* iv. 325. *Cons. Gén.* 443. Musca festiva, *Linn. Syst. Nat.* ii. 986. *Faun. Suec.* 1812. *Gmel. Ed. Syst. Nat.* v. 2874, 45. *Schrank, Faun. Boic.* iii. 2433. *Ins. Austr.* 906. *Stew. El.* ii. 265. *Turt.* iii. 647. M. arcuata, *Don. Brit. Ins.* xii. 84, *pl.* 424, *f.* 2. M. anteambulo, *Harr. Ex.* 60, *pl.* 15, *f.* 17. Musca, &c., *Geoff. Ins.* ii. 505, 27, *pl.* 18, *f.* 1. *Schæff. Icon. pl.* 36, *f.* 10. M. citrofasciata, *Deg.*

Ins. vi. 53, 9. Eristalis festivus, *Fabr. Syst. Antl.* 242, 46. Scæva festiva, *Fall. Syrph.* 38, 3. Doros festivus, *Macq. Hist. Nat. Dipt.* i. 550, 2.

a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. France.
d. ———? From Mr. Children's collection.

Syrphus ornatus, *Meig. Dipt.* iii. 298, 37. Musca pedissequus, *Harris.* Doros ornatus, *Macq. Hist. Nat. Dipt.* i. 550, 3.

a. England.
b. France.
c. South of France. Presented by F. Walker, Esq.
d. ———?

Syrphus profusus, n. s., mas. *Æneus, capite humeris scutellique margine postico fulvis, abdomine nigro fulvo quadrimaculato, antennis piceis subtus ferrugineis, pedibus fulvis femoribus piceis, tibiis posticis ferrugineo fasciatis, alis subcinereis basi ad costam fulvis.*

Head tawny, clothed with pale yellow hairs, yellow in front: mouth pitchy: clypeus prominent: feelers pitchy, ferruginous beneath; bristle tawny, its tip pitchy: eyes almost black; facets on the fore part of the crown larger than those elsewhere: chest and breast brassy, thickly clothed with short tawny hairs; a tawny spot on each shoulder; hind border of the scutcheon tawny: abdomen nearly elliptical, black, thickly clothed with short tawny hairs, a little longer and broader than the chest, adorned with two tawny angular spots on each side; under side mostly tawny: legs tawny; hips and thighs pitchy; hind thighs tawny at the base; a broad ferruginous band across each hind shank; tips of feet pitchy; claws and foot-cushions tawny; tips of claws black: wings slightly gray, tawny at the base and along the fore borders, whose tips are brown; wing-ribs and veins tawny, the latter pitchy towards their tips; poisers tawny. Length of the body 5½ lines; of the wings 11 lines.

a. Georgia. From Mr. Abbot's collection.

Syrphus arcuatus, *Meig. Dipt.* iii. 302, 43. *Macq. Hist. Nat. Dipt.* i. 536, 6. Scæva arcuata, *Fall. Syrph.* 42, 11. *Zett. Ins. Lapp.* 601, 9.

a. England.
b. France.
c. ———? From Mr. Children's collection.

SYRPHUS Pyrastri, *Fabr. Sp. Ins.* ii. 432, 58. *Ent. Syst.* iv. 305, 102. *Latr. Gen. Crust.* iv. 325. *Meig. Dipt.* iii. 303, 44. *Macq. Hist. Nat. Dipt.* i. 536, 3. Musca Pyrastri, *Linn. Syst. Nat.* ii. 987. *Faun. Suec.* 1817. *Gmel. Ed. Syst. Nat.* v. 2875, 51. *Schrank, Faun. Boic.* iii. 2431. *Ins. Austr.* 907. Musca, &c., *Reaum. Ins.* iii. *pl.* 31, *f.* 9. *Geoff. Ins.* ii. 517, 46. *Albin. Ins. pl.* 66, *a—d. Berk. Syn.* i. 163. *Don. Brit. Ins.* xii. 19, *pl.* 401, *f.* 1. *Stew. El.* ii. 266. *Turt.* iii. 649. M. Rosæ, *Deg. Ins.* vi. 49, 5, *pl.* 6, *f.* 14—21. Scæva Pyrastri, *Fabr. Syst. Antl.* 2493. *Fall. Syrph.* 39, 5. *Ruricola, Gard. Chron.* 1842, 1441. S. unicolor, var. *Curt. Brit. Ent.* 519.

a. England.
b. France.
c. Egypt.
d. ——— ? From Mr. Children's collection.

SYRPHUS Agnon, n. s., fem. *Nigro-cyaneus, fronte abdominisque fasciis tribus interruptis flavis, antennis piceis, pedibus fulvis posticis nigris, alis limpidis.*

Nearly allied to *S. Pyrastri*. Body bluish black: head yellow in front: mouth black: eyes and feelers pitchy: chest and breast clothed with short pale hairs; scutcheon with a tawny tinge: abdomen adorned with three interrupted yellow bands, of which the second and the third are curved on each side; the bands are entire on the underside: legs tawny; hind legs mostly black: wings colourless; wing-ribs, veins, and brands black; poisers tawny. Length of the body 5—5½ lines; of the wings 10—11 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

SYRPHUS Alcidice, n. s., fem. *Nigro-æneus, capite scutelloque fulvis, abdominis fasciis quatuor cinereis, antennis fuscis, pedibus fulvis, posticis plerumque nigris, alis subcinereis.*

Nearly allied to *S. Ribesii*. Body brassy black: head tawny, adorned with a short black stripe in front: eyes brassy red: mouth black: feelers dark brown: chest and breast clothed with tawny hairs; scutcheon dark tawny: abdomen black, adorned with four interrupted gray bands; the band next the base has a tawny tinge on each side: legs tawny; thighs darker towards the base; hind legs, except the knees, almost black on the upper side: wings slightly gray; wing-ribs and brands dark brown; veins black; poi-

sers tawny. Length of the body 4½—5 lines; of the wings 9—10 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

SYRPHUS arcucinctus, *Barnston's MSS. Nigro-æneus, fronte scutellique margine fulvescentibus, abdominis maculis sex fasciisque duabus flavis, antennis piceis, pedibus ferrugineis, posticis nigris, alis subcinereis.*

Allied to *S. Alcidice.* Body brassy black: head partly tawny in front: eyes dark red: mouth black: feelers pitchy; chest and breast clothed with short tawny hairs; scutcheon bluish black, with a slight tawny tinge on the border: abdomen adorned with three yellow cross spots on each side, and at the tip with two slender bands; second and third pair of spots slightly curved: legs ferruginous; hind legs black, with ferruginous knees: wings with a very slight gray tinge; wing-ribs pitchy; veins black; poisers tawny. Length of the body 5 lines; of the wings 10 lines.

Var. β. Hind legs tawny, shaded with brown.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

SYRPHUS seleniticus, *Meig. Dipt.* iii. 304, 45, *pl.* 30, *f.* 21. Musca mellina, *Harr. Ex.* 80, *pl.* 24, *f.* 23.

a. England.
b. France.
c. ———? From Mr. Children's collection.

SYRPHUS ericetorum, *Fabr. Sp. Ins.* ii. 425, 18. *Ent. Syst.* iv. 287, 34. S. Salviæ, *Fabr. Ent. Syst.* iv. 306, 105. *Wied. Auss. Zweif.* ii. 122. 9. *Macq. Dipt. Exot.* ii. 88, 5, *pl.* 15, *f.* 7. Scæva Salviæ, *Fabr. Syst. Antl.* 250, 6.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.
b. North Bengal. From Miss Campbell's collection.
c. East Indies. From Archdeacon Clerk's collection.
d. ———?

SYRPHUS ægrotus, *Wied. Auss. Zweif.* ii. 118, 3. *Macq. Dipt. Exot.* ii. 88, 4. S. fascipennis, *Macq. Hist. Nat. Dipt.* i. 537, 9. Eristalis ægrotus, *Fabr. Syst. Antl.* 243, 48.

a. East Indies. From Archdeacon Clerk's collection.
b. ———?

SYRPHUS americanus, *Wied. Auss. Zweif.* ii. 129, 22. *Macq. Dipt. Exot.* ii. 94, 12.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

SYRPHUS Grossulariæ, *Meig. Dipt.* iii. 306, 48. *Macq. Hist. Nat. Dipt.* i. 542, 26.
a. England.
b. ———? From Mr. Children's collection.

SYRPHUS Ribesii, *Fabr. Sp. Ins.* ii. 432, 57. *Ent. Syst.* iv. 304, 100. *Latr. Gen. Crust.* iv. 325. *Cons. Gén.* 443. *Meig. Dipt.* iii. 306, 49. *Macq. Hist. Nat. Dipt.* i. 538, 12. S. Philadelphicus, var.? *Macq. Dipt. Exot.* ii. 93, 11, *pl.* 16, *f.* 2. Musca Ribesii, *Linn. Syst. Nat.* ii. 987. *Faun. Suec.* 1816. *Gmel. Ed. Syst. Nat.* v. 2875, 50. *Deg. Ins.* vi. 47, 4, *pl.* 6, *f.* 3—13. *Schrank, Faun. Boic.* iii. 2408. *Ins. Austr.* 905. *Don. Brit. Ins.* xii. 21, *pl.* 401, *f.* 3. *Stew. El.* ii. 266. *Turt.* iii. 649. M. blandus, *Harr. Ex.* 106, *pl.* 32, *f.* 38. Musca, &c., *Geoff. Ins.* ii. 511, 37. Scæva Ribesii, *Fabr. Syst. Antl.* 248, 1. *Fall. Syrph.* 40, 6. *Zett. Ins. Lapp.* 599, 5. *Kirby, North Amer. Zool. Ins.* 315, 1.
a. England.
b. France.
c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
d. Nova Scotia. From Lieut. Redman's collection.
e. ———? From Mr. Children's collection.

SYRPHUS concavus, *Wied. Auss. Zweif.* ii. 130, 24. Scæva concava, *Say, Journ. Philad. Acad.* iii. 89, 3.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.
c. Trenton Falls. Presented by E. Doubleday, Esq.

SYRPHUS emarginatus, *Wied. Auss. Zweif.* ii. 119, 4. Scæva emarginata, *Say, Journ. Philad. Acad.* iii. 91, 5.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

SYRPHUS affinis, *Wied. Auss. Zweif.* ii. 117, 2. Scæva affinis, *Say, Journ. Philad. Acad.* iii. 93, 9.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Syrphus topiarius, *Meig. Dipt.* iii. 305, 47. Scæva topiaria, *Zett. Dipt. Lapp.* 599, 4.
a. England.
b. France.
c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
d. New York. Presented by the Entomological Club.

Syrphus vitripennis, *Megerle, Meig. Dipt.* iii. 308, 50. *Macq. Hist. Nat. Dipt.* i. 538, 13. Scæva vitripennis, *Zett. Ins. Lapp.* 602, 15.
a. England.
b. ——— ? From Mr. Children's collection.
c. ——— ?

Syrphus lunulatus, *Meig. Dipt.* iii. 299, 39. *Macq. Hist. Nat. Dipt.* i. 536, 4. Scæva lunulata, *Zett. Ins. Lapp.* 600, 7.
a. England.
b. ——— ? From Mr. Children's collection.
c. ——— ?

Syrphus hyalinatus, *Meig. Dipt.* iii. 312, 56. *Macq. Hist. Nat. Dipt.* i. 543, 31. Scæva hyalinata, *Fall. Syrph.* 43, 13.
a. ——— ? From Mr. Children's collection.
b. ——— ?

Syrphus balteatus, *Meig. Dipt.* iii. 312, 57, *Macq. Hist. Nat. Dipt.* i. 538, 11. Musca balteata, *Deg. Ins.* vi. 52, 7. Musca, &c., *Geoff. Ins.* ii. 514, 40. *Schæff. Icon. pl.* 36, *f.* 12. M. alternata, *Gmel. Ed. Syst. Nat.* v. 2880, 384. *Schrank, Faun. Boic.* iii. 2417. *Ins. Austr.* 908. M. canabina, *Gmel. Ed. Syst. Nat.* v. 2864, 313. M. scitule, *Harr. Ex.* 111, *pl.* 33, *f.* 55, (mas.) M. scitulus, *Harr. Ex.* 105, *pl.* 32, *f.* 33, (fem.) Syrphus nectareus, *Fabr. Ent. Syst.* iv. 309, 116. *Panz. Faun. Germ.* lxxxii. 19. Scæva nectarea, *Fabr. Syst. Antl.* 253, 22. *Fall. Syrph.* 43, 14.
a. England.
b. France.
c. Italy. From Dr. Leach's collection.
d. Madeira.
e. ——— ? From Mr. Children's collection.

Syrphus alternans, mas. var.? *Macq. Dipt. Exot.* ii. 89, 7. *Æneus, capite flavo, scutello fulvo, abdomine flavo fasciis quinque nigris ornato, antennis fulvis nigro vittatis, pedibus flavis, alis limpidis.*

Head yellow, clothed with short white hairs: mouth and feelers tawny, the latter striped with black: eyes red: chest and breast brassy, thickly clothed with short tawny hairs; scutcheon dull tawny: abdomen yellow, clothed with short tawny hairs, adorned with five narrow black bands; the first of these bands is near to the second, and the third to the fourth; the fifth is more remote: legs bright yellow, clothed with whitish down: wings colourless; wing-ribs ferruginous; veins black, tawny towards the base; poisers tawny. Length of the body 4½ lines; of the wings 8 lines.

a. North Bengal. From Miss Campbell's collection.

Syrphus bifasciatus, *Fabr. Ent. Syst.* iv. 305, 101. *Macq. Hist. Nat. Dipt.* i. 539, 15. Scæva bifasciata, *Fabr. Syst. Antl.* 248, 2. *Fall. Syrph.* 40, 7. Musca interrupta, *Gmel. Ed. Syst. Nat.* v. 2879, 376. M. elegans, *Harr. Ex.* 105, *pl.* 32, *f.* 34.

a. England.

b. ——— ? From Mr. Children's collection.

Syrphus tricinctus, *Meig. Dipt.* iii. 310, 53. *Macq. Hist. Nat. Dipt.* i. 539, 16. Scæva tricincta, *Fall. Syrph.* 41, 9. *Zett. Ins. Lapp.* 600, 6.

a. ——— ? From Mr. Children's collection.

Syrphus Alneti, *Meig. Dipt.* iii. 310, 54. *Macq. Hist. Nat. Dipt.* i. 539, 17. *Zett. Ins. Lapp.* 598, 1. S. glaucius, *Panz. Faun. Germ.* 59, 17. S. nobilis, *Meig. Dipt.* iii. 316, 62. *Macq. Hist. Nat. Dipt.* i. 535, 1. Scæva Alneti, *Fall. Syrph.* 38, 4.

a. England.

b. ——— ? From Mr. Children's collection.

Syrphus glaucius, *Fabr. Sp. Ins.* ii. 431, 53. *Ent. Syst.* iv. 304, 97. *Macq. Hist. Nat. Dipt.* i. 543, 30. Musca glaucia, *Linn. Syst. Nat.* ii. 986. *Faun. Suec.* 1813. *Gmel. Ed. Syst. Nat.* v. 2874, 47. Eristalis glaucius, *Fabr. Syst. Antl.* 243, 49. Elophilus glaucius, *Latr. Gen. Crust.* iv. 324. Scæva glaucia, *Panz. Faun. Germ.* 104, 16. *Fall. Syrph.* 41, 8.

a. England.

Syrphus corollæ, *Fabr. Ent. Syst.* iv. 306, 106. *Meig. Dipt.* iii 304, 46. *Macq. Hist. Nat. Dipt.* i. 539, 18. Musca pyrorum,

Schrank, Faun. Boic. iii. 2430. *Geoff. Ins.* ii. 518, 48. Scæva corollæ, *Fabr. Syst. Antl.* 250, 8. *Zett. Ins. Lapp.* 602, 16. S. olitoria, *Fall. Syrph.* 43, 12.

a. ———? From Mr. Children's collection.

Syrphus Babyssa, n. s., fem. *Cyaneus, ventre ferrugineo, antennis ferrugineis, pedibus fulvis, tibiis apice fuscentibus, tarsis piceis, alis fulvo subcinereis.*

Body bright deep blue, clothed with short tawny and hoary hairs: mouth and feelers ferruginous; bristles of the latter black: eyes red: abdomen dark ferruginous beneath: legs tawny; shanks shaded with brown towards the tips; feet pitchy: wings slightly gray, with a tawny tinge; wing-ribs ferruginous; veins black; poisers tawny, with pitchy knobs. Length of the body 4 lines; of the wings 9 lines.

a. Madeira. Presented by Mrs. Hope.

Syrphus adolescens, *Barnston's MSS.*, mas. et fem. *Nigro-æneus, fronte scutelloque fulvis, abdominis fasciis tribus latis interruptis unoque integro angusto flavis, antennis piceis, pedibus fulvis, femoribus basi nigris, alis sublimpidis.*

Allied to *S. arcucinctus.* Body brassy black: head tawny with a bluish tinge in front: mouth black: feelers pitchy: eyes dark red: chest and breast clothed with short tawny hairs; scutcheon dark tawny: abdomen adorned with three broad yellow broken bands, and with one narrow entire yellow band: legs tawny; thighs at the base and hind thighs, except their tips, black: wings nearly colourless; wing-ribs and brands dark brown; veins black; poisers tawny. Length of the body 4—5 lines; of the wings 8—10 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

b. Nova Scotia. From Lieut. Redman's collection.

Syrphus auricollis, *Meig. Dipt.* iii. 318, 64. *Macq. Hist. Nat. Dipt* 535, 2.

a. England.

b. France.

c. ——— ? From Mr. Children's collection.

Syrphus cinctus, *Meig. Dipt.* iii. 318, 65. Scæva cincta, *Fall. Syrph.* 45, 18.

a. ———? From Mr. Children's collection.

b. ———?

Syrphus Ortas, *White, Zool. Voy. Erebus and Terror.* Fem.—*Æneo-viridis, capite cyaneo, scutello fulvo, abdomine nigro, fasciis quatuor interruptis flavis, antennis piceis, pedibus fulvis, tarsis pedibusque posticis piceis, alis limpidis.*

Head blue, clothed with black hairs, covered in front with pale yellow down: mouth black: feelers piceous, ferruginous at the base; bristle black: chest brassy green, clothed with tawny hairs; scutcheon tawny: breast hoary, clothed with white hairs: abdomen deep black, thinly clothed with black and whitish hairs, adorned with four yellow bands, which are interrupted along the mid-back, especially towards the tip: legs tawny, clothed with whitish hairs; feet and hind legs pitchy: wings colourless; wing-ribs and poisers tawny; veins black. Length of the body 4½ lines; of the wings 8 lines.

a. New Zealand. Presented by Dr. Sinclair.

Syrphus Damastor, n. s., fem. *Æneus, scutello fulvescente, abdominis nigri fasciis quatuor plus minusve interruptis fulvis, antennis ferrugineis, pedibus fulvis, tarsis pedibusque posticis fuscis, femoribus intermediis basi nigris, alis limpidis.*

Allied to *S. scutatus.* Head clothed with whitish down, excepting the crown, where it is black and shining; there is a tawny spot at the base of the feelers, which are ferruginous: eyes red: chest brassy, clothed with short hoary hairs; breast gray; scutcheon with a tawny tinge: abdomen black, with four interrupted tawny bands; the second and the third bands are in some cases entire, and then their hind borders are angular: legs tawny; feet and hind legs tinged with brown; middle thighs black towards the base: wings colourless; wing-ribs and poisers tawny; veins black, tawny towards the base. Length of the body 4 lines; of the wings 8 lines.

a. New Holland. Presented by J. Hunter, Esq.
b. West Australia. From Mr. Clifton's collection.

Syrphus Agrolas, n. s., fem. *Nigro-cyaneus, abdominis nigri maculis quatuor magnis fulvis, antennis ferrugineis, pedibus fulvis, femoribus pedibusque posticis fuscis, alis subcinereis.*

Body bluish black, clothed with short tawny hairs: feelers ferruginous, their bristles black: eyes red: abdomen black, adorned with four large tawny spots, which occupy nearly all the breadth, and about half the length from the base of the third and the fourth segments; the hind borders of these spots are somewhat narrower

than their fore borders: legs tawny, clothed with short tawny hairs; thighs and hind legs mostly brown: wings slightly gray; wing-ribs and poisers tawny; veins black, tawny at the base. Length of the body 5 lines; of the wings 9 lines.

a. Van Dieman's Land. Presented by the Rev. Augustus Beaufort.

Syrphus orientalis, *Wied. Anal. Ent.* 36, 58. *Auss. Zweif.* ii. 139, 40.

a. Madras. Presented by Walter Elliot, Esq.

Syrphus guttatus, *Meig. Dipt.* iii. 322, 71. Scæva guttata, *Fall. Syrph.* 44, 16. *Zett. Ins. Lapp.* 604, 22.

a. ——— ?

b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Syrphus 6-quadratus, *Barnston's MSS.*, mas. et fem. *Nigro-æneus aut nigro-cyaneus, fronte fulvo, scutello nonnunquam flavo, abdominis fasciis tribus latis interruptis duabusque angustis integris fulvis aut flavis, pedibus fulvis, femoribus basi tarsisque apice fuscis, pedibus posticis nigro-fuscis, alis subcinereis.*

Body brassy black: head hoary and clothed with short tawny hairs behind, beset with black hairs on the crown, tawny in front: eyes red: mouth black: feelers pitchy: scutcheon yellow: abdomen deep black, adorned with three broad yellow interrupted bands, and at the tip with two very narrow entire bands: on the underside the bands are not broken: legs tawny; thighs towards the base and feet towards the tips brown; hind legs dark brown: wings slightly gray; wing-ribs tawny; veins black; poisers yellow. Length of the body 3½—4 lines; of the wings 7—8 lines.

Var. *a.* Body bluish black.
Var. *β.* Bands of the abdomen tawny.
Var. *γ.* Scutcheon brassy.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

a. Nova Scotia. From Lieut. Redman's collection.

Syrphus tibicen, *Wied. Auss. Zweif.* ii. 127, 19. *Macq. Dipt. Exot.* ii. 102, 26, *pl.* 17, *f.* 3. *Walk. Linn. Trans.* xvii. 346, 40.

a. Brazil. Presented by the Entomological Club.

Syrphus umbellatarum, *Fabr. Ent. Syst.* iv. 307, 107. *Meig. Dipt.* iii. 320, 68. Scæva umbellatarum, *Fabr. Syst. Antl.* 250, 9. *Fall. Syrph.* 44, 15. *Zett. Ins. Lapp.* 604, 21.

a. France.
b. Alten, Finmark. Presented by F. Walker, Esq.
c. ——? From Mr. Children's collection.
d. Nova Scotia. From Lieut. Redman's collection.

Syrphus cinctus, *Meig. Dipt.* iii. 318, 65. *Macq. Hist. Nat. Dipt.* i. 542, 27. Scæva cincta, *Fall. Syrph.* 45, 18. *Zett. Ins. Lapp.* 604, 21.

a. France.
b. ——? From Mr. Children's collection.

Syrphus Naso, *Barnston's MSS.*, fem. *Nigro-æneus, abdomine utrinque maculis quatuor fulvis, antennis piceis, pedibus fulvis, tibiis fuscis, metapedibus nigris, alis subcinereis.*

Body brassy: head prominent towards the mouth: mouth and feelers pitchy: eyes dark red: abdomen brassy black, adorned with four large tawny spots on each side: legs tawny; shanks slightly brown; hind legs black, their knees tawny: wings slightly gray; wing-ribs and poisers tawny; veins black, tawny towards the base. Length of the body 4½ lines; of the wings 8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Syrphus mellinus, *Fabr. Sp. Ins.* ii. 433, 61. *Ent. Syst.* iv. 308, 110. *Latr. Gen. Crust.* iv. 325. *Meig. Dipt.* iii. 331, 85. *Macq. Hist. Nat. Dipt.* i. 544, 35, 3. Musca mellina, *Linn. Faun. Suec.* 1827. *Gmel. Ed. Syst. Nat.* v. 2876, 55. *Deg. Ins.* vi. 52, 8. *Geoff. Ins.* ii. 516, 44. *Schrank, Ins. Austr.* 910. *Faun. Boic.* iii. 2410. Syrphus noctilucus, *Panz. Faun. Germ.* 72, 24. Scæva Rosarum, *Fall. Syrph.* 47, 22.? S. mellina, *Fabr. Syst. Antl.* 251, 12. *Fall. Syrph.* 46, 20. *Zett. Ins. Lapp.* 608, 40.

a. ——? From Mr. Childrens's collection.
b. ——?

Syrphus geminatus? *Wied. Auss. Zweif.* ii. 145, 50. Scæva geminata, *Say, Journ. Philad. Acad.* iii. 92, 7.

a. ——? From Mr. Children's collection.

Syrphus Agonis, n. s., mas. *Æneus, abdomine nigro, disco fulvo, margine suturis vittaque dorsali nigris, vittis lateralibus fuscis, antennis nigris, pedibus piceis, femoribus nigris, tibiis basi genubusque fulvis, alis subcinereis.*

Body brassy: head covered with hoary down, clothed behind with short tawny hairs, and on the crown with black hairs: mouth black, ferruginous towards the tip: feelers black: eyes brassy red: chest clothed with short tawny hairs: breast gray: abdomen tawny, with black sutures, a black border and a black stripe along the middle; there is also a slender brown stripe along each side: legs pitchy; thighs black; shanks towards the base and knees tawny; tips of four front shanks also tawny: wings slightly gray; wing-ribs and poisers tawny; veins black. Length of the body 3 lines; of the wings 6 lines.

a. Galapagos. Presented by C. Darwin, Esq.

Syrphus maculosus, *Meig. Dipt.* iii. 330, 84. *Macq. Hist. Nat. Dipt.* i. 544, 34.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

b. ——— ? From Mr. Children's collection.

Var. β. Hind thighs and hind shanks tawny: stripe of the abdomen not appearing beyond the second segment.

Syrphus scalaris, *Fabr. Ent. Syst.* iv. 308, 112. *Panz. Faun. Germ.* xlv. 20. *Latr. Gen. Crust.* iv. 325. *Meig. Dipt.* iii. 330, 83. *Macq. Hist. Nat. Dipt.* i. 544, 33. Scæva mellina, Var. β., *Fall. Syrph.* 46, 20. S. scalaris, *Fabr. Ent. Syst.* iv. 308, 112. *Syst. Antl.* 252, 14. *Zett. Ins. Lapp.* 608, 41.

a. England.

b. France.

c. Aix-la-Chapelle. Presented by F. Walker, Esq.

d. ——— ? From Mr. Children's collection.

e. ——— ?

f. Ohio. Presented by the Entomological Club.

g. New York. Presented by E. Doubleday, Esq.

h. Trenton Falls. Presented by E. Doubleday, Esq.

i. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Syrphus gracilis, *Meig. Dipt.* iii. 328, 80. *Macq. Hist. Nat. Dipt.* i. 543, 32.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

c. New York. Presented by the Entomological Club.

SYRPHUS Automenes, n. s., fem. *Cyaneus, abdomine nigro-purpureo maculis octo flavis ornato, antennis ferrugineis, pedibus fulvis, femoribus posticis nigro cinctis, tibiis posticis nigris, alis limpidis.*

Body deep blue: mouth and feelers ferruginous: eyes red: abdomen bluish black, with a purple tinge, adorned with four yellow spots on each side; first pair of spots small, nearly square; second and third pairs larger, concave on the outer sides of their hind borders; fourth pair smaller and transverse: legs tawny; a black ring near the tip of each hind thigh; hind shanks mostly black: wings colourless; wing-ribs and poisers tawny; veins brown, tawny towards the base. Length of the body 2½ lines; of the wings 5 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

SYRPHUS iridipennis, *Walker, Linn. Trans.* xvii. 345, 38.
a. South America. Presented by the Entomological Club.
b. ——— ? From Mr. Children's collection.

SYRPHUS Antiphates, n. s., mas. *Cyaneo-viridis, capite cyaneo, thoracis lateribus æneis, abdomine nigro maculis octo fulvis ornato, apice æneo, antennis ferrugineis, pedibus fulvis, posticis piceis, alis nigro-fuscis.*

Body bluish green: head blue and covered with white down in front: mouth and feelers ferruginous: eyes bright red: chest with a brassy tinge on each side: abdomen black, narrow, adorned with four tawny spots on each side, brassy at the tip: legs tawny; hind legs pitchy: wings blackish brown; wing-ribs pitchy; veins black; poisers tawny. Length of the body 3 lines; of the wings 5 lines.

a. Jamaica. From Mr. Gosse's collection.

SYRPHUS Amissas, n. s., mas. *Æneus, fronte fulva, antennis nigris, pedibus fulvis, posticis nigris, alis fuscis, maculis duabus posticis limpidis.*

Body dark bronze: head a little broader than the chest, tawny in front: eyes red; facets very small: mouth and feelers black: abdomen slender, nearly cylindrical, slightly increasing in breadth towards the tip, more than twice the length of the chest and about half its breadth: legs tawny; hind legs black: wings dark brown, each with a large colourless angle near the tip of the hind border, which is also colourless towards the base; wing-ribs piceous; veins

black; poisers ferruginous. Length of the body 4½ lines; of the wings 8 lines.

a. Georgia. From Mr. Abbot's collection.

SYRPHUS Peas, n. s., mas. *Purpureo-æneus, capitis macula nigro-cyanea, fronte flavo, abdomine nigro fasciis purpureis, antennis nigris, pedibus piceis, femoribus basi flavis, alis fuscis maculis duabus posticis limpidis.*

Body purplish bronze: head a little broader than the chest, yellow in front, adorned with a large bluish black spot above the base of the feelers: eyes red; facets very small: mouth and feelers black: abdomen slender, nearly cylindrical, slightly increasing in breadth towards the tip, more than twice the length of the chest, and not half its breadth; each segment adorned with a purple band: legs pitchy; four front thighs yellow for half the length from the base; hind thighs tawny at the base: wings dark brown, with a large colourless angle near the tip of the hind border, which is also colourless at the base, and there are some almost colourless spots between it and the disk; wing-ribs and veins black; poisers tawny, with piceous knobs. Length of the body 5 lines; of the wings 8 lines.

a. ——— ? From Mr. Children's collection.

SYRPHUS Radaca, n. s., mas. *Æneus, abdomine fasciis rufis canisque, antennis nigris, pedibus fulvis, posticis piceis, alis limpidis dimidio costali fuscis fuscoque fasciatis.*

Body dark bronze: head a little broader than the chest, white, and clothed with short white hairs behind and beneath, tawny in front: eyes red; facets very small: mouth and feelers black: breast covered with white bloom: abdomen slender, slightly increasing in breadth from the base to the tip, much narrower than the chest, and more than twice its length; a broad, dark red band on each segment, whose hind border is covered with hoary bloom: legs dark tawny; hind legs pitchy: wings dark brown along the fore borders for the whole length and for near half the breadth; the dark part is sometimes varied with colourless stripes, its outline is irregular, and it joins the hind border by a broad, irregular band a little beyond two-thirds of the length of the wing; wing-ribs and veins black; poisers tawny. Length of the body 4½ lines; of the wings 8 lines.

a. Florida. Presented by E. Doubleday, Esq.

Syrphus Æsyctes, n. s., mas. *Nigro-æneus, abdomine piceo-æneo, antennis pedibusque piceis, genubus anterioribus fulvis, alis subcinereis.*

Head brassy, clothed with black hairs, covered in front with white down: mouth black: feelers piceous; bristle black: eyes dark red: chest and breast brassy black; the former clothed with black hairs, the latter with shorter hoary hairs: abdomen pitchy-bronze, clothed with short black hairs: legs pitchy, hairy; four front knees tawny: wings slightly gray; wing-ribs and poisers ferruginous; veins black. Length of the body 2½ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Syrphus Rosarum, *Fabr. Ent. Syst.* iv. 307, 109. *Meig. Dipt.* iii. 338, 94. *Macq. Hist. Nat. Dipt.* i. 545, 39. Scæva Rosarum, *Fabr. Syst. Antl.* 251, 11. *Panz. Faun. Germ.* 108, 14. Musca Rosarum, *Gmel. Ed. Syst. Nat.* v. 2877, 366.

a. England.

b. France.

c. ——— ? From Mr. Children's collection.

Group V. Platycheirus, *St. Fargeau* and *Serville.*

Syrphus granditarsa. Musca granditarsa, *Forst. Cent.* i. 99. *Stew. El.* ii. 263. *Turt.* iii. 626. M. brassicaria, *Panz. Faun. Germ.* 20, 20. Syrphus lobatus, *Meig. Dipt.* iii. 336. S. Ocymi, *Fabr. Ent. Syst.* iv. 309, 114. *Panz. Faun. Germ.* 82, 18. *Meig. Dipt.* iii. 337, 93. *Macq. Hist. Nat. Dipt.* i. 546, 40. *Schiodte, Kroyer, Nat. Tids.* iv. 326, 9. Scæva Ocymi, *Fabr. Syst. Antl.* 252, 18. *Fall. Syrph.* 48, 23. *Zett. Ins.* 607, 36.

a. England.

b. ——— ? From Mr. Children's collection.

c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Syrphus albimanus, *Fabr. Sp. Ins.* ii. 434, 63. *Ent. Syst.* iv. 310, 117. *Meig. Dipt.* iii. 333, 87. *Macq. Hist. Nat. Dipt.* i. 546, 41. *Schiodte, Kroyer, Nat. Tids.* iv. 326, 8. Musca albimanus, *Gmel. Ed. Syst. Nat.* v. 2876, 364. *Stew. El.* ii. 266. *Turt.* iii. 651. Scæva albimana, *Fabr. Syst. Antl.* 253, 23. *Zett. Ins. Lapp.* 607, 35.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

Syrphus scutatus, *Meig. Dipt.* iii. 333, 88: *Macq. Hist. Nat. Dipt.* i. 546, 42. *Schiodte, Kroyer, Nat. Tids.* iv. 322, 3. M. albimana? *Turt.* iii. 651. Scæva albimana, *Fall. Syrph.* 46, 19.
a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. ——— ?

Syrphus peltatus, *Meig. Dipt.* iii. 334, 89, *pl.* 30, *f.* 31, 32. *Macq. Hist. Nat. Dipt.* i. 547, 43. *Schiodte, Kroyer, Nat. Tids.* iv. 322, 2. Scæva albimana, var., *Fall. Syrph.* 46, 19. S. peltata, *Zett. Ins. Lapp.* 606, 30. Musca navus? *Harr. Ex.* 109, *pl.* 32, *f.* 46.
a. England.

Syrphus clypeatus, *Meig. Dipt.* iii. 335, 90. *Macq. Hist. Nat. Dipt.* i. 547, 44. *Schiodte, Kroyer, Nat. Tids.* iv. 323, 4. Scæva albimana, var., *Fall. Syrph.* 46, 19. S. clypeata, *Zett. Ins. Lapp.* 606, 31.
a. England.

Syrphus manicatus, *Meig. Dipt.* iii. 336, 91. *Macq. Hist. Nat. Dipt.* i. 548, 46. *Schiodte, Kroyer, Nat. Tids.* iv. 321, 1. Scæva manicata, *Zett. Ins. Lapp.* 606, 33.
a. England.

Group VI. Sphærophoria, *St. Fargeau* and *Serville.*

Syrphus scriptus, *Fabr. Sp. Ins.* ii. *Ent. Syst.* iv. 308, 113. *Latr. Gen. Crust.* iv. 325. *Meig. Dipt.* iii. 324, 73. Musca scripta, *Linn. Syst. Nat.* ii. 987. *Faun. Suec.* 1820. *Gmel. Ed. Syst. Nat.* v. 2876, 54. *Stew. El.* ii. 266. *Turt.* iii. 651, M. invisito, *Harr. Ex.* 83, *pl.* 24, *f.* 31. Musca, &c., *Geoff. Ins.* ii. 514, 41. *Roesel, Ins.* ii. *Musc. pl.* 6. *Schell. Gen. Mouch. pl.* 10, *f.* 2. Scæva scripta, *Fabr. Syst. Antl.* 253, 17. *Zett. Ins. Lapp.* 605, 28. S. Menthastri, *Fall. Syrph.* 48, 24. Sphærophoria scripta, *Macq. Hist. Nat. Dipt.* i. 551, 1.
a. England.
b. France.
c. ———? From Mr. Children's collection.
d. Aix-la-Chapelle. Presented by F. Walker, Esq.
e. Nova Scotia. From Lieut. Redman's collection.

Syrphus tæniatus, *Meig. Dipt.* iii. 325, 74, *pl.* 30, *f.* 35, 36. Scæva Menthastri, var., *Fall. Dipt. Suec. Syrph.* 48, 24. S. tæniata, *Zett. Ins. Lapp.* 605, 27. Sphærophoria tæniata, *Macq. Hist. Nat. Dipt.* 551, 2.
a. England.

Syrphus Menthastri, *Fabr. Sp. Ins.* ii. 433, 59. *Ent. Syst.* iv. 308, 111. *Latr. Gen. Crust.* iv. 325. *Meig. Dipt.* iii. 325, 75. Musca Menthastri, *Linn. Faun. Suec.* 1819. *Deg. Ins.* vi. 53, 10. *Gmel. Ed. Syst. Nat.* v. 2875, 53. *Schrank, Ins. Austr.* 909. *Faun. Boic.* iii. 2409. Scæva Menthastri, *Fabr. Syst. Antl.* 251, 13. Sphærophoria Menthastri, *Macq. Hist. Nat. Dipt.* i. 551, 3.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.
d. Alten, Finmark. Presented by F. Walker, Esq.
e. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
f. Nova Scotia. From Lieut. Redman's collection.
g. New York. Presented by the Entomological Club.
h. Trenton Falls. Presented by E. Doubleday, Esq.

Syrphus Melissæ, *Meig. Dipt.* iii. 326, 76. Scæva Menthastri, var., *Fall. Dipt. Suec. Syrph.* 42, 24. S. Melissæ, *Zett. Ins. Lapp.* 606, 29. Sphærophoria Melissæ, *Macq. Hist. Nat. Dipt.* i. 552, 7.

a. England.
b. France.
c. Alten, Finmark. Presented by F. Walker, Esq.
d. ——— ? From Mr. Children's collection.

Syrphus pictus, *Meig. Dipt.* iii. 326, 77. Sphærophoria picta, *Macq. Hist. Nat. Dipt.* i. 553, 8.

a. ——— ?

Syrphus hieroglyphicus, *Megerle, Meig. Dipt.* iii. 327, 78.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.
b. ——— ? From Mr. Children's collection.
c. Nova Scotia.

Syrphus Ropalus, *White, Zool. Voy. Erebus and Terror.* Fem.— *Fulvus, capitis thoracisque discis æneis, abdominis nigri fasciis quatuor luteis, 1° et 4° interruptis, antennis pedibusque fulvis, alis limpidis.*

Head tawny, coppery on the crown: eyes red: feelers tawny; bristle black: chest coppery; sides tawny; scutcheon orange; breast hoary: abdomen black, narrow, linear, orange on each side of the base, adorned with four broad orange bands, of which the first and the fourth are interrupted along the mid-back: legs tawny:

wings colourless; wing-ribs and poisers tawny; veins black, tawny towards the base. Length of the body 4 lines; of the wings 7 lines.

a. New Zealand. Presented by Dr. Sinclair.

Syrphus Bacchides, n. s., fem. *Æneo-viridis, capite thoracis lateribus scutelloque flavis, abdomine nigro, basi fasciis duabus dorsi vittisque nonnullis apicis flavis ornato, pedibus fulvis, alis limpidis.*

Allied to *S. geminatus*. Head yellow, with a bright coppery stripe on the crown: mouth and feelers tawny: eyes red: chest and breast coppery green, clothed with short black hairs; sides and scutcheon yellow, disk of the latter tawny: abdomen black, yellow at the base, and from thence to the middle on each side adorned with two yellow bands, the second band is slightly arched and broader than the first; on the last segment but one there are four stripes, of which the inner pair are narrow and straight, the outer pair are broad and oblique; the last segment is adorned with four straight stripes, of which the side pair are broader than the inner pair: legs pale tawny; feet and hind legs shaded with darker colour: wings colourless; wing-ribs and poisers tawny; veins black. Length of the body 3 lines; of the wings 5 lines.

a. Florida. Presented by E. Doubleday, Esq.

Sericomyia, *Meigen.*

Sericomyia borealis, *Meig. Dipt.* iii. 343, 2, *pl.* 31, *f.* 9. *Macq. Hist. Nat. Dipt.* i. 496, 3. *Zett. Ins. Lapp.* 590, 1. Musca lappona, *Deg. Ins.* vi. 61, 6, *pl.* 8, *f.* 14. Musca silentis, *Harr. Ex.* 89, *pl.* 15, *f.* 14. Sericomyia lapponum, *Latr. Gen. Crust.* iv. 322. Syrphus borealis, *Fall. Syrph.* 20, 7.

a. England.
b. ——— ? From Mr. Children's collection.

Sericomyia lappona, *Latr. Gen. Crust.* iv. 322. *Cons. Gén.* 443. *Meig. Dipt.* iii. 344, 3. *Macq. Hist. Nat. Dipt.* i. 496, 4. *Zett. Ins. Lapp.* 590, 2. Musca lappona, *Linn. Syst. Nat.* ii. 983. *Faun. Suec.* 1794. *Gmel. Ed. Syst. Nat.* v. 2867, 27. Syrphus lapponum, *Fabr. Sp. Ins.* ii. 422, 4. *Ent. Syst.* iv. 280, 7. *Syst. Antl.* 226, 7. *Fall. Syrph.* 208.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

SERICOMYIA mussitans, *Meig. Dipt.* iii. 345, 4. *Macq. Hist. Nat. Dipt.* i. 496, 2, *pl.* 11, *f.* 11. Musca mussitans, *Gmel. Ed. Syst. Nat.* v. 2867, 327. M. fulvus, *Harr. Ex.* 80, *pl.* 24, *f.* 22. Syrphus mussitans, *Fabr. Sp. Ins.* ii. 422, 3. *Ent. Syst.* iv. 279, 6. *Syst. Antl.* 225, 6. *Panz. Faun. Germ.* i. 15. *Fall. Syrph.* 18, 4.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

SERICOMYIA militaris, *Barnston's MSS.*, fem. *Nigra, scutello piceo margine postico ferrugineo, abdomine maculis sex transversis fulvis, antennis nigris, pedibus ferrugineis, femoribus nigris, alis cinereis ad costam fulvis apice fusco nebulosis.*

Body black, shining, thickly clothed with short pale tawny hairs: head, with the exception of the crown and of a stripe between the feelers and the mouth, covered with pale yellow down: mouth black: feelers black; bristle feathered: eyes black; all the facets small: each side of the chest adorned with two tufts of yellow hairs, one before, the other behind the wing; scutcheon pitchy, clothed with black hairs, ferruginous along the hind border: abdomen nearly oval, rather longer and broader than the chest; hind borders of the segments fringed with short pale yellow hairs; second, third, and fourth segments adorned with tawny bands on each side; first pair of bands short; second pair long; third pair rather shorter than the second: legs ferruginous, clothed with short tawny hairs; hips and thighs black, clothed with black hairs; feet beset with very short black bristles, black towards the tips; foot-cushions tawny; claws black, ferruginous towards the base: wings gray, clouded with brown at the tip of the fore border, which is tawny for more than half the length from the base; wing-ribs black; veins ferruginous; poisers pitchy. Length of the body 6—6½ lines; of the wings 12—13 lines.

Var. β. First pair of abdominal bands reduced to two dots.

Var. γ. Like var. β: second pair of abdominal bands much shorter than the third.

Var. δ. First pair of abdominal bands wanting.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

SERICOMYIA filia, n. s., fem. *Nigra, abdomine nigro-æneo fasciis tribus interruptis fulvis, antennis nigris, pedibus fulvis, femoribus basi tarsisque apice piceis, alis limpidis ad costam subfuscis.*

Body black, thickly clothed with short yellow hairs: head yellow, black on the crown, and having a black stripe between the feelers and the mouth, which is black; sides of the peristoma pitchy; feelers black: eyes pitchy, slightly bronzed; facets on the fore part of the crown larger than those elswhere: abdomen nearly oval, slightly bronzed, rather longer and broader than the chest, adorned with three tawny bands, which are interrupted on the back: legs tawny, clothed with short yellow hairs; hips, middle thighs at the base, and fore thighs from the base to the middle pitchy; feet pitchy towards the tips; claws and foot-cushions tawny; tips of claws black: wings colourless, slightly brown along the fore borders from the base to beyond the middle; wing-ribs and poisers pitchy: veins tawny. Length of the body 4½—5 lines; of the wings 10—11 lines.

Var. *β*. The brown on the fore border of the wing extends to the tip, which is dark gray.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

b. Nova Scotia. From Lieut. Redman's collection.

SERICOMYIA 6-fasciata, *Barnston's MSS.*, mas. *Nigra, thorace nigro-æneo, abdomine fasciis tribus interruptis flavis, antennis ferrugineis, pedibus nigris, genubus tibiis basi tarsisque ferrugineis, alis subfulvis.*

Body black, thinly clothed with short tawny hairs: head covered with pale yellowish down, beset on the crown with a few black hairs; a black stripe extends from the crown to the mouth, which is also black: feelers ferruginous; first and second joints black; bristle feathered, black towards the tip: eyes black; facets on the fore part of the crown rather larger than those elsewhere: chest slightly bronzed, with a small hoary band on each side of the front: abdomen deep black, not shining, nearly oval, thinly clothed with short tawny hairs; knees, feet, and tips of shanks ferruginous; tips of feet pitchy; foot-cushions tawny; claws ferruginous with black tips: wings slightly tawny, darker at the base and along the fore borders; wing-ribs and veins black, the latter ferruginous towards the base; poisers pale tawny. Length of the body 6 lines; of the wings 11 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CRIORHINA, *Hoffmansegg.*

CRIORHINA apicata, *Macq. Hist. Nat. Dipt.* i. 497, 1. Musca apiformis, *Schrank, Ins. Austr.* 933. *Faun. Boic.* iii. 2436. *Gmel. Ed. Syst. Nat.* v. 2865, 296. Milesia apicata, *Meig. Dipt.* iii 236, 10.
a. England.

CRIORHINA oxyacanthæ, *Macq. Hist. Nat. Dipt.* i. 498, 3. Milesia oxyacanthæ, *Meig. Dipt.* iii. 237, 12.
a. England.
b. France.
c. ———? From Mr. Children's collection.

CRIORHINA asilica, *Macq. Hist. Nat. Dipt.* i. 498, 5. Syrphus asilicus, *Fall. Syrph.* 22, 10. Milesia asilica, *Meig. Dipt.* iii. 238, 14.
a. England.
b. France.
c. ———? From Mr. Children's collection.

CRIORHINA ruficauda, *Macq.Hist. Nat. Dipt.* i. 498, 7. Musca ruficaudis, *Deg. Ins.* vi. 56, 17. Milesia ruficauda, *Meig. Dipt.* iii. 239, 15.
a. England.

TROPIDIA, *Meigen.*

TROPIDIA milesiformis, *Meig. Dipt.* iii. 346, *pl.* 31, *f.* 14. *Macq. Hist. Nat. Dipt.* i. 518, 1. T. rufomaculatus, var.? *Curt. Brit. Ent.* 401. Musca scitus, *Harr. Ex.* 107, *pl.* 32, *f.* 41. Eristalis milesiformis, *Fall. Syrph.* 52.
a. England.
b. France.
c. ———? From Mr. Children's collection.

MERODON, *Latreille.*

MERODON clavipes, *Fabr. Syst. Antl.* 195, 1. *Latr. Cons. Gén.* 443. *Meig. Dipt.* iii. 351, *pl.* 31, *f.* 22. *Curt. Brit. Ent.* ii. 98. *Macq. Hist. Nat. Dipt.* i. 513, 1, *pl.* 11, *f.* 20. Syrphus clavipes, *Fabr. Sp. Ins.* ii. 427, 29. *Ent. Syst.* iv. 292, 50. Musca curvipes, *Gmel. Ed. Syst. Nat.* v. 2871, 347. Milesia clavipes, *Latr. Gen. Crust.* iv. 331.
a. England.
b. France.
c. Martigny, Switzerland. Presented by F. Walker, Esq.
d. ———?

MERODON Narcissi, *Meig. Dipt.* iii. 354, 6. *Macq. Hist. Nat. Dipt.* i. 514, 5. *St. Farg. et Serv. Ency. Meth.* x. Eristalis Narcissi, *Fabr. Syst. Antl.* 239, 32.

Var.? Merodon equestris, *Fabr. Syst. Antl.* 196, 2. *Meig. Dipt.* iii. 352, 2. *Macq. Hist. Nat. Dipt.* i. 514, 3. Syrphus equestris, *Fabr. Ent. Syst.* iv. 292, 51. *Panz. Faun. Germ.* 60, 1. S. fusiformis, *Schell. Gen. Mouch. pl.* 11, *f.* 1. *Reaum. Ins.* iv. *pl.* 34, *f.* 9, 10.

Var.? Merodon nobilis, *Meig. Dipt.* iii. 353, 3. *Macq. Hist. Nat. Dipt.* i. 514, 4.

Var.? Merodon transversalis, *Meig. Dipt.* iii. 354, 4. Syrphus equestris, mas., *Panz. Faun. Germ.* 60, 2.

Var.? Merodon constans, *Hoffmansegg, Meig. Dipt.* iii. 354, 5.

Var.? Merodon ferrugineus, *Meig. Dipt.* iii. 355, 7. Eristalis ferrugineus, *Fabr. Syst. Antl.* 240, 35.

Var.? Merodon flavicans, *Meig. Dipt.* iii. 355, 8. Syrphus flavicans, *Fabr. Ent. Syst.* iv. 292, 52. Eristalis flavicans, *Fabr. Syst. Antl.* 242, 40.

Var.? Merodon fulvus, *Macq. Hist. Nat. Dipt.* i. 514, 2.

a. France.

MERODON parietum, *Hoffmansegg, Meig. Dipt.* iii. 360, 17.

a. ——— ?

MERODON Mœnium, *Hoffmansegg, Meig. Dipt.* iii. 362, 19.

a. France.

MERODON viaticus, *Fabr. Syst. Antl.* 197, 6. *Meig. Dipt.* iii. 364, 22.

a. ——— ?

MERODON aureus, *Fabr. Syst. Antl.* 198, 8. *Meig. Dipt.* iii. 366, 26.

a. France.

MERODON curvipes, *Wied. Auss. Zweif.* ii. 149, 3.

a. ——— ? Presented by the Entomological Club.

b. Nova Scotia. From Lieut. Redman's collection.

MERODON bardus, *Say.*

a. New Hampshire. Presented by the Entomological Club.

MERODON morosus, n. s., fem. *Niger, scutello fulvo, abdominis fasciis subinterruptis cinereis, antennis pedibusque nigris, genubus ferrugineis, alis albidis.*

Body black, punctured, rather dull, clothed with pale tawny hairs: head clothed with whitish down in front, prominent about the mouth, which is black; feelers black, their bristles ferruginous: eyes dark red; chest more thickly clothed than is the breast; scutcheon tawny, clothed with longer hairs: segments of the abdomen adorned with gray bands, whose hind borders are much indented in the middle: legs black, clothed with short tawny hairs; knees ferruginous; soles of the feet covered with bright tawny down: wings whitish; wing-ribs ferruginous; veins pale tawny; poisers yellow. Length of the body 6 lines; of the wings 10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

MERODON contrarius, n. s., mas. et fem. *Niger, abdominis fasciis interruptis cinereis, antennis rufis, pedibus nigris, alis nigro-cinereis.*

Body black, dull, clothed with black hairs: head a little broader than the chest; front bright tawny: mouth black: feelers red: eyes brassy black; all the facets small: fore borders of the abdominal segments adorned with interrupted gray bands: legs black, clothed with short black hairs; soles of the feet covered with ferruginous down: wings blackish gray; wing-ribs and veins black; poisers pitchy. Length of the body 6 lines; of the wings 10 lines.

a. New Holland.

MERODON bipartitus, n. s., fem. *Niger, antennis piceis setis fulvis, pedibus nigris, tibiis basi pedibusque subtus ferrugineis, alis subcinereis fusco ad costam unimaculatis.*

Body black: head shining, clothed with tawny and black hairs, prominent about the mouth, which is black: feelers pitchy; bristle tawny: eyes black; all the facets very small: chest thickly clothed with yellowish white hairs: abdomen linear, shining, a little longer and broader than the chest, thinly clothed with short tawny hairs, covered more thickly towards the tip with black hairs: legs black, clothed with short black hairs; shanks ferruginous towards the base; feet ferruginous beneath; claws and foot-cushions tawny; tips of feet black: wings slightly gray, with a small brown spot under the middle of the fore border; wing-ribs and veins pitchy; veins tawny towards the base and along the fore borders; poisers tawny. Length of the body 4½ lines; of the wings 10 lines.

a. Georgia. From Mr. Abbot's collection.

MERODON Bautias, n. s., mas. et fem. *Niger, pilis fulvis vestitus, abdominis lateribus nigro-pilosis, antennis pedibusque nigris, tarsis fulvis, alis cinereis ad costam subfuscis.*

Allied to Imatisma posticata, *Macq. Dipt. Exot.* ii. 68, 1, *pl.* 12, *f.* 2. Eristalis posticatus, *Fabr. Syst. Antl.* 237, 21. *Wied. Auss. Zweif.* ii. 194, 62. Body broad, thick, black: head shining, clothed with pale tawny hairs, not so broad as the chest; clypeus large: mouth and feelers black; bristle tawny: eyes black; facets small, those on the fore part of the crown rather larger: chest thickly clothed with pale tawny hairs: abdomen black, obconical, very shining, clothed with black hairs on each side, covered with dark ferruginous bloom, a little longer and narrower than the chest: legs black, clothed with black hairs; feet tawny beneath towards the tips; claws and foot-cushions tawny; tips of claws black; hind thighs toothed, remarkably thick; hind shanks curved, broad, toothed beneath: wings slightly gray, tinged with brown along the fore border, in whose middle there is a small dark brown spot; wing-ribs pitchy; veins black, pitchy towards the base; poisers tawny. Length of the body 6½—8 lines; of the wings 13—16 lines.

a. Georgia. From Mr. Abbot's collection.

MERODON Balanus, n. s. *Niger, pilis fulvis hirtus, scutello ferrugineo, abdomine basi pilis ferrugineis apice subtusque pilis nigris hirto, antennis piceis, pedibus nigris, tibiis piceis, tarsis ferrugineis, alis subcinereis.*

Body black: head clothed with black hairs, narrower than the chest: mouth black: feelers pitchy; bristle tawny: eyes bronzed; facets on the fore part of the crown rather larger than elsewhere: chest and breast thickly clothed with bright tawny hairs; scutcheon ferruginous: abdomen slightly decreasing in breadth from the base to the tip, a little longer and broader than the chest, clothed from the base to near the middle with ferruginous hairs, and with black hairs from thence to the tip and on the whole of the underside; legs black, clothed with black and tawny hairs; shanks pitchy: knees and feet ferruginous; foot-cushions tawny; claws black, ferruginous at the base; hind thighs and hind shanks thick, the latter slightly curved: wings slightly tinged with gray; wing-ribs, veins, and poisers pitchy. Length of the body 7 lines; of the wings 15 lines.

a. New York. Presented by E. Doubleday, Esq.

MERODON umbrifer, n. s. mas. *Fuscus, scutelli margine postico fulvo, abdominis apice antennisque piceis, pedibus ferrugineis, femoribus tibiisque posticis piceis, alis cinereis basi fulvis disco fuscis.*

Body brown, covered with tawny down: mouth black: feelers pitchy, seated on a protuberance; third joint truncate; bristle tawny, darker towards the tip: eyes bronzed; facets on the fore part of the crown rather larger than those elsewhere: hind border of the scutcheon pale tawny: abdomen obconical, broader, but hardly longer than the chest, pitchy towards the tip: legs ferruginous, partly pitchy, clothed with short tawny and black hairs; hind thighs and hind shanks thick, dark pitchy, the latter slightly curved; foot-cushions tawny; claws black, ferruginous at the base: wings gray, tawny towards the base; a large brown spot on each disk: wing-ribs ferruginous; veins tawny, pitchy towards the tips; poisers tawny. Length of the body 6 lines; of the wings 10 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

MERODON tenebricus, n. s., fem. *Niger, thoracis vittis quinque canis, scutelli margine postico ferrugineo, abdominis lateribus cano maculatis, segmentorum apicem versus marginibus posticis fulvis, antennis rufis, pedibus piceis, femoribus posticis nigris, tibiis posticis ferrugineis, alis fuscis.*

Body black: head covered with pale dull tawny bloom, clothed with pale yellow hairs; crown black, shining, beset with a few black hairs: mouth black: feelers red: eyes bronzed, bright; all the facets very small: chest thinly clothed with short black hairs, adorned with five hoary stripes; middle stripe very slender; hind border of the scutcheon ferruginous; breast clothed with hoary hairs: abdomen short-obconical, not longer than the chest, very thinly clothed with short tawny hairs, adorned on each side with large patches of hoary bloom; hind borders of the last segments tawny: legs pitchy, clothed with short tawny hairs; foot-cushions tawny; claws ferruginous, with black tips; hind thighs black, very thick; hind shanks dark ferruginous, slightly curved: wings brown; wing-ribs and veins pitchy; poisers tawny. Length of the body 4 lines; of the wings 9 lines.

a. ——— ?

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HELOPHILUS, *Meigen.*

HELOPHILUS lineatus, *Meig. Dipt.* iii. 369, 1, *pl.* 32, *f.* 7. *Macq. Hist. Nat. Dipt.* i. 511, 6. *Zett. Ins. Lapp.* 596, 3. *Dipt. Scand.* ii. 682, 7. *Loew, Ent. Zeit. Stett.* vi. 167, 12. *Curt. Brit. Ent.* 429, 1. Rhingia lineata, *Fabr. Ent. Syst.* iv. 375, 2. *Syst. Antl.* 223, 2. R. muscaria, *Fabr. Ent. Syst.* iv. 375, 3. *Syst. Antl.* 223, 3. *Panz. Faun. Germ.* xx. 24. Syrphus lineatus, *Fall. Syrph.* 31, 28. Musca femorata, *Panz. Faun. Germ. Ed.* i.

a. England.

HELOPHILUS transfugus, *Meig. Dipt.* iii. 371, 3. *Macq. Hist. Nat. Dipt.* i. 510, 4. *Curt. Brit. Ent.* 429, 3. Musca transfuga, *Linn. Faun. Suec.* 1818. *Gmel. Ed. Syst. Nat.* v. 2875, 52.

a England.

b. ———? From Mr. Children's collection.

HELOPHILUS lunulatus, *Meig. Dipt.* iii. 379, 2, *pl.* 32, *f.* 9. *Macq. Hist. Nat. Dipt.* i. 511, 5. *Zett. Dipt. Scand.* ii. 681, 5. *Loew, Ent. Zeit. Stett.* vi. 165, 11. *Curt. Brit. Ent.* 429, 2.

a. England.

HELOPHILUS camporum, *Meig. Dipt.* iii. 372, 4.

a. France.

HELOPHILUS stipatus, n. s., fem. *Niger, capite flavo, thorace vittis quatuor flavis, scutello fulvo, abdomine cano trifasciato, lateribus fulvo trifasciatis, antennis fulvis apice ferrugineis, pedibus fulvis, femoribus basi nigris, tibiis posticis piceo bifasciatis, tarsis posticis piceis, alis limpidis.*

Head yellow, clothed with yellow hairs; crown clothed with black hairs: eyes dark red: feelers tawny; third joint ferruginous; bristle tawny, with a black tip: chest black, clothed with tawny hairs, adorned with four yellow stripes; scutcheon tawny: abdomen linear, black, with three hoary bands, of which the first is at the base, the second and the third are very indistinct; each side adorned with three curved tawny bands; hind borders of the segments tawny: legs tawny; thighs black towards the base; hind thighs very thick, black, tawny at the tips; hind shanks tawny, with two pitchy bands; hind feet pitchy, tawny towards the base; tips of claws black: wings colourless; wing-ribs tawny; veins pitchy, tawny along the fore borders; poisers yellow. Length of the body 3½ lines; of the wings 6 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

HELOPHILUS Anausis, n. s., fem. *Niger, fronte flava, thoracis vittis duabus cinereis, lateribus scutelloque ferrugineis, abdominis fasciis cinereis vittisque duabus flavis, antennis fulvis, pedibus ferrugineis, tibiis piceo vittatis, alis subcinereis.*

Body black: head a little broader than the chest, thickly clothed with dark tawny hairs, yellow in front: eyes dark red: mouth piceous: feelers tawny; bristle piceous: chest clothed with short tawny hairs, adorned with two gray stripes; sides dark ferruginous; scutcheon ferruginous: abdomen linear, as broad as, and much longer than the chest, adorned with alternate broken and entire gray bands, and with a short yellow stripe on each side of the base: legs ferruginous; hips black; thighs with pitchy streaks; feet pitchy towards the tips; foot-cushions tawny: wings slightly gray; wing-ribs and veins piceous, the latter ferruginous towards the base; poisers pale tawny. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HELOPHILUS formalis, n. s., fem. *Niger, scutello fulvo, abdominis macula utrinque ventreque fulvis, fasciis tribus flavis, apice ferrugineo, antennis piceis basi ferrugineis, pedibus nigris, tibiis fulvis, femoribus posticis nigro-æneis, tibiis posticis ferrugineis, alis cinereis.*

Body black: head covered with tawny down, clothed with tawny hairs: mouth ferruginous: feelers pitchy, ferruginous at the base; bristle ferruginous: chest and breast thickly clothed with short tawny hairs; scutcheon tawny: abdomen nearly linear, a little shorter and narrower than the chest, thinly clothed with short tawny hairs, adorned on each side with a large tawny spot and with three curved pale yellow bands, dark ferruginous towards the tip; underside tawny: legs black, clothed with short tawny hairs; shanks and feet covered beneath with tawny down; shanks tawny, black towards the tips; underside tawny: legs black, clothed with short tawny hairs; shanks and feet covered beneath with tawny down; shanks tawny, black towards the tips; claws and foot-cushions tawny; claws black towards the tips; hind thighs brassy black, rather thick; hind shanks ferruginous, curved: wings gray; wing-ribs pitchy; veins black, tawny towards the base; poisers pale tawny. Length of the body 4 lines; of the wings 7 lines.

a. Mexico. Presented by E. R. Coffin, Esq.

HELOPHILUS sejunctus, n. s., mas. *Niger, abdominis segmentorum lateribus ferrugineo maculatis, antennis pedibusque fulvis, tibiis posticis femoribusque piceis, illis ferrugineo cinctis, femoribus posticis cyaneis, alis limpidis.*

Body black: head covered in front with a hoary bloom, tawny around the mouth, which is black with a tawny tip: feelers tawny: eyes red: sides of the abdominal segments adorned with ferruginous spots: legs tawny; hips black; thighs and hind shanks pitchy, the latter adorned with ferruginous bands; hind thighs blue, very thick: wings colourless; wing-ribs piceous; veins black. Length of the body 4 lines; of the wings 6 lines.

a. Senegal.

HELOPHILUS Longus, n. s., mas. *Niger, fronte flava, thoracis lateribus scutellique margine postico fulvis, abdominis fasciis flavis, antennis pedibusque fulvis, femoribus basi piceis, pedibus posticis nigris, alis subfuscis.*

Body black: head broader than the chest, covered behind and beneath with hoary down, yellow, and adorned with white shining down in front: eyes red; facets above successively increasing in size from the hind part to the fore part: mouth pitchy, with a tawny tip; palpi also pitchy, with tawny tips; feelers tawny: chest very thinly clothed with short tawny hairs; its sides and the hind border of the scutcheon are tawny: abdomen tapering from the base to the tip, a little narrower than the chest, and nearly twice its length; hind borders of the segments yellow; segments from the first to the third adorned with broad yellow bands, the first entire, the second and third interrupted; the first and the second connected on each side: legs tawny; thighs at the base and hips piceous; hind legs black, their thighs armed near the tips beneath with two strong teeth: wings slightly brown; wing-ribs piceous; veins black, piceous towards the base; poisers tawny. Length of the body 6 lines; of the wings 10 lines.

a. Congo.

HELOPHILUS quadrivittatus. Eristalis quadrivittatus, *Wied. Auss. Zweif.* ii. 168, 22.

a. East Indies. From Archdeacon Clerk's collection.

b. ——— ? From Mr. Children's collection.

c. ——— ?

HELOPHILUS hilaris, n. s. *Niger, thorace vittis quatuor flavis, scutello abdomineque fulvis, hoc ferrugineo fasciato, segmentis 2° nigro vittato 3° ferrugineo vittato, pedibus nigris, tarsis intermediis tibiisque anterioribus basi fulvis, alis subfulvis, apice margineque postico subcinereis.*

Head wanting: chest black, clothed with very short tawny hairs, adorned with four yellow stripes; scutcheon tawny: breast black, clothed with tawny hairs, adorned with a tawny spot on each side: abdomen obconical, bright tawny, much longer and a little broader than the chest: hind borders of the segments adorned with ferruginous bands, which are widened in the middle, and acquire a pitchy colour on each side; tip black; second segment adorned with a black stripe; third segment with a ferruginous stripe: legs black, clothed with short tawny hairs; middle feet and four front shanks tawny towards the base; claws and foot-cushions tawny; tips of claws black; hind thighs rather thick; hind shanks slightly curved: wings slightly tawny, pale gray at the tips and along the hind borders; wing-ribs and veins tawny, the latter pitchy towards the tips; poisers yellow. Length of the body 5 lines; of the wings 10 lines.

a. ——— ?

HELOPHILUS Bengalensis. Eristalis Bengalensis, *Wied. Zool. Mag.* iii. 16, 22. *Auss. Zweif.* ii. 167, 21. *Macq. Dipt. Exot.* ii. 63, 4.

a. North Bengal. From Miss Campbell's collection.

HELOPHILUS fasciatus, *Barnston's MSS.*, fem. *Niger, capitis vitta fulva, thoracis vittis quatuor flavis, scutelli fusci margine fulvo, abdominis fasciis quatuor flavis, pedibus fulvis, femoribus basi nigris, tarsis subtus tibiisque ferrugineis, alis subcinereis.*

Body black: head covered with yellow down, clothed with short tawny hairs; crown beset with a few black hairs; a shining tawny stripe between the feelers and the mouth: feelers ferruginous, with a pitchy stripe on the upper side; bristle tawny: eyes pitchy, slightly bronzed; all the facets very small: chest and breast covered with a slight tawny bloom: chest adorned with four yellow stripes; scutcheon tawny, with a pale brown disk: abdomen slightly decreasing in breadth from the base to the tip, longer, but hardly broader than the chest, adorned with four yellow bands; first band very broad, especially on each side, quite interrupted in the middle; second band narrower, almost interrupted; third and fourth band narrow and entire; hind borders of the segments ferruginous; un-

derside mostly yellow: legs tawny, clothed with short tawny hairs; hips and thighs from the base to the middle and hind thighs, except their tips, black; hind thighs rather thick; hind shanks ferruginous, slightly curved, yellow at the base; fore feet and tips of fore shanks pitchy; second, third, and fourth joints of middle feet pitchy: feet ferruginous beneath; claws and foot-cushions tawny; tips of claws black: wings slightly gray; wing-ribs pitchy; veins black, ferruginous towards the base; poisers pale yellow. Length of the body 5½—6 lines; of the wings 10—11 lines.

Var. β. A black stripe between the crown of the head and the feelers: all the bands of the abdomen interrupted; hind borders of the segments grayish black: thighs, except their tips, black; fore shanks pitchy from the middle to the tips; middle shanks darker at the tips; hind shanks tawny, with a pitchy band near the base, black from the middle to the tips; feet pitchy.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HELOPHILUS Chilensis, *Walker*, *Linn. Trans.* xvii. 344, 35. Dolichogyna fasciata, *Macq. Dipt. Exot.* ii. 66, 1, *pl.* 12, *f.* 1.

a. Chili. Presented by the Entomological Club.

HELOPHILUS pendulus, *Meig. Dipt.* iii. 373, 6. *Macq. Hist. Nat. Dipt.* i. 509, 1. *Zett. Ins. Lapp.* 595, 1. *Dipt. Scand.* ii. 676, 1. *Loew*, *Ent. Zeit. Stett.* vi. 125. *Curt. Brit. Ent.* 429, 5. Musca pendula, *Linn. Syst. Nat.* ii. 984. *Faun. Suec. Ed.* ii. 1795. *Syst. Nat. Ed.* xii. 984, 28. *Gmel. Syst. Nat.* v. 2868, 28. *Deg. Ins.* vi. 46, 3. *Schrank*, *Faun. Boic.* iii. 2425. *Ins. Austr.* 901. *Don. Brit. Ins.* i. 69, *pl.* 31, *f.* 2. *Stew*, *El.* ii. 264. *Turt.* iii. 638. *Shaw*, *Gen. Zool.* vi. 382, *pl.* 105, *f. inf.* M. trilineata, *Harr. Ex.* 58, *pl.* 15, *f.* 9. Musca, &c., *Geoff. Ins.* ii. 513, 39. *Schell. Gen. Mouch. pl.* 9, *f.* 2. *Réaum. Ins.* vi. *pl.* 31, *f.* 9—11. *Schæff. Icon. pl.* 129, *f.* 3, 4, *pl.* 130, *f.* 2. Syrphus pendulus, *Fabr. Sp. Ins.* ii. 423, 10. *Ent. Syst.* iv. 282, 17. *Rossi*, *Faun. Etrusc.* ii. 438, 1450. *Panz. Faun. Germ.* xx. 21. *Fall. Syrph.* 30, 26. Elophilus pendulus, *Latr. Gen. Crust.* iv. 324.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

HELOPHILUS Latro, *Barnston's MSS.*, fem. *Niger, thoracis vittis duabus dorsalibus canis totidemque lateralibus fulvis, scutello fusco margine postico fulvo, abdominis maculis utrinque tribus cano-fulvis, antennis piceis, pedibus nigris, tibiis basi fulvis, alis cinereis.*

Body black: head clothed with pale tawny down and hairs; crown beset with black hairs: mouth black: feelers pitchy: eyes dark red, partly black; the facets on the fore part of the crown rather larger than those elsewhere: chest and breast clothed with short tawny hairs; chest adorned with two hoary stripes, and on each side with a tawny stripe; scutcheon shining, pale brown, tawny along the hind border: abdomen nearly oval, shining, rather longer and broader than the chest, thinly clothed with short tawny hairs, adorned with three tawny spots on each side; first pair of spots triangular, very large, their tips on the back hoary; second pair of spots much smaller, partly occupied by ferruginous marks hoary on the back; third pair still smaller, tawny on the sides of the abdomen, hoary on the back: legs black, clothed with short black hairs; shanks tawny at the base; feet clothed beneath with tawny down; claws ferruginous, with black tips; foot-cushions tawny; hind thighs rather thick; hind shanks slightly curved; wings gray; wing-ribs pitchy; veins black, ferruginous towards the base; poisers pale yellow. Length of the body 5—5½ lines; of the wings 9—18 lines.

Var. β. Second pair of abdominal spots without ferruginous marks.

Var. γ. Shanks tawny for two-thirds of the length from the base; middle shanks tawny for two-thirds of their length from the base.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

HELOPHILUS trilineatus. Eristalis trilineatus, *Wied. Auss. Zweif.* ii. 168. Syrphus trilineatus, *Fabr. Syst. Ent.* 766, 16. *Ent. Syst.* iv. 289, 39. *Syst. Antl.* 238, 27.
a. Port Nicholson, New Zealand. From Mr. Earl's collection.
b. New Zealand. Presented by Dr. Sinclair.
c. New Zealand. From Mr. Pelerine's collection.
d. New Zealand. From Sir J. Bank's collection.

HELOPHILUS ineptus, n. s. *Fuscus, capite flavo, thoracis vittis duabus canis lateribusque flavis, scutelli margine postico fulvo, abdomine æneo, lateribus basi fulvo maculatis, pedibus piceis, tibiis basi fulvis, alis subcinereis.*

Head yellow, black on the crown and about the base of the feelers: eyes pitchy; all the facets very small: mouth and feelers black; bristle of the feelers naked: chest dark brown, clothed with black hairs, adorned with two hoary stripes on the back, and with a yellow stripe on each side, having a brassy hue towards the hinder part, especially on the scutcheon, whose hind border is tawny: abdomen brassy, oval, nearly flat, a little broader and shorter than the chest, clothed with tawny hairs, adorned with a large tawny spot on each side of the base: legs pitchy, clothed with tawny hairs; shanks tawny towards the base; claws and foot-cushions tawny; tips of claws black: hind thighs slightly thickened: wings slightly gray: wing-ribs pitchy; veins black. Length of the body 5 lines; of the wings 10 lines.

a. New Zealand. Presented by Dr. A. Sinclair.

HELOPHILUS Agerinus, n. s., fem. *Niger, thorace vittis duabus canis, scutello rufo, abdomine maculis canis, antennis rufis, pedibus nigris, genubus ferrugineis, alis limpidis basi fuscis.*

Body black: head dark red, marked with black on the crown, prominent about the mouth, which is black: feelers red, black towards the base: eyes pitchy, slightly bronzed: sides of the chest and of the breast dark red; chest adorned with two narrow hoary stripes; breast and sides of the chest covered with hoary bloom; scutcheon dark red, gibbous, slightly furrowed lengthwise: abdomen nearly elliptical, deep black, rather shorter and broader than the chest; each segment adorned with two large patches of hoary down; hind borders of the segments shining: legs black; knees ferruginous; feet covered beneath with ferruginous down; claws and foot-cushions ferruginous; tips of claws black: wings colourless, dark brown at the base, slightly tinged with brown below the middle of the fore border; wing-ribs pitchy; veins black, pitchy towards the base; poisers pitchy. Length of the body 6 lines; of the wings 12 lines.

a. ——— ?

HELOPHILUS scutellaris. Eristalis scutellaris, *Wied. Auss. Zweif.* ii. 159, 11. *Macq. Dipt. Exot.* ii. 41, 17. Milesia scutellaris, *Fabr. Syst. Antl.* 190, 11.

a. ——— ?

HELOPHILUS crassipes. Eristalis crassipes, *Fabr. Syst. Antl.* 237, 22. *Wied. Auss. Zweif.* ii. 157, 8. *Macq. Dipt. Exot.* ii. 31, 1, *pl.* 8, *f.* 1. E. pachymerus, *Wied. Zool. Mag.* iii. 17, 24.
a. South Africa. Presented by Dr. A. Smith.
b. ——— ?

HELOPHILUS Æsacus, n. s., mas. *Fulvus, pectore cinereo, abdomine rufo-fusco, apice rufo, antennis pedibusque piceis, genubus rufis, alis subcinereis basi et ad costam fulvis macula magna subcostali fusca.*

Body tawny: head white in front; clypeus prominent; a shining dark ferruginous space about the base of the feelers, and a spot of the same colour between them and the clypeus: mouth pitchy: feelers pitchy; bristle tawny: eyes black; facets on the fore part of the crown larger than those elsewhere: chest thickly clothed with tawny down; breast grayish: abdomen obconical, reddish brown, covered with dark tawny bloom, as broad as the chest and much longer, red at the tip: legs pitchy, clothed with short black hairs; knees red; foot-cushions dull tawny; claws red, with black tips: wings slightly gray, bright tawny at the base, tawny along the fore-border, at two-thirds of whose length there is a large brown spot; wing-ribs and veins bright tawny, the latter pitchy in the gray part of the wing; poisers tawny. Length of the body 6 lines; of the wings 10 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

ERISTALIS, *Latreille.*

ERISTALIS sepulcralis, *Fabr. Syst. Antl.* 245, 61. *Schrank, Faun. Boic.* iii. 2432. *Meig. Dipt.* iii. 383, 1. *Macq. Hist. Nat. Dipt.* i. 506, 17. Musca sepulcralis, *Linn. Faun. Suec.* 1835. *Syst. Nat.* ii. 991. *Gmel. Ed. Syst. Nat.* v. 2878, 73. M. interpunctus, *Harr. Ex.* 59, *pl.* 15, *f.* 11. M. ater, *Harr. Ex.* 58, *pl.* 15, *f.* 11. (fem.) Syrphus sepulcralis, *Fabr. Sp. Ins.* ii. 431, 51. *Ent. Syst.* iv. 303, 91. S. tristis, *Fabr. Ent. Syst.* iv. 303, 92. *Panz. Faun. Germ.* lxxxii. 16. *Fall. Syrph.* 29, 23. Eristalis tristis, *Fabr. Syst. Antl.* 245, 62. Elophilus tristis, *Latr. Gen. Crust.* iv. 324.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Eristalis æneus, *Fabr. Syst. Antl.* 244, 57. *Meig. Dipt.* iii. 384, 2. *Macq. Hist. Nat. Dipt.* i. 506, 16. Musca melanius? *Harr. Ex.* 59, *pl.* 15, *f.* 12. Syrphus æneus, *Fabr. Ent. Syst.* iv. 302, 88. *Panz. Faun. Germ.* lxxx. 15. *Fall. Syrph.* 28, 22. Elophilus æneus, *Latr. Gen. Crust.* iv. 324. Milesia ænea, *Latr. Gen. Crust.* iv. 332.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Eristalis tenax, *Fabr. Syst. Antl.* 238, 24. *Meig. Dipt.* iii. 385, 4. *Macq. Hist. Nat. Dipt.* i. 504, 11. Musca tenax, *Linn. Syst. Nat.* ii. 984. *Faun. Suec.* 1799. *Gmel. Ed. Syst. Nat.* v. 2870, 32. *Schrank, Faun. Boic.* iii. 2427. *Harr. Ex.* 41, *pl.* 10, 111, *f.* 1. *Berk. Syn.* i. 163. *Stew, El.* ii. 265. *Turt.* iii. 641. *Don. Brit. Ins.* xvi. 66, *pl.* 574. *Shaw, Gen. Zool.* vi. 380, *pl.* 146. Musca, &c., *Reaum. Ins.* iv. *pl.* 20, *f.* 8. *Geoff. Ins.* ii. 520, 52. *Schell. Gen. Mouch. pl.* 9, *f.* 1. M. porcina, *Deg. Ins.* vi. 45, 1. M. arbustorum, *Schrank, Ins. Austr.* 902. Syrphus tenax, *Fabr. Sp. Ins.* ii. 425, 19. *Ent. Syst.* iv. 286, 36. *Panz. Faun. Germ.* xiv. 23, 24. *Fall. Syrph.* 25, 17. *Zett. Ins. Lapp.* 594, 7. Elophilus tenax, *Latr. Gen. Crust.* iv. 324. *Cons. Gén.* 443.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Eristalis similis, *Meig. Dipt.* iii. 392, 13. *Macq. Hist. Nat. Dipt.* i. 502, 2, *pl.* 11, *f.* 14. Syrphus similis, *Fall. Syrph.* 25, 16,

a. England.
b. France.
c. ———?
d. ——— ? From Mr. Children's collection.

Eristalis ridens, n. s., fem. *Nigro-æneus, thoracis vittis quinque pectoreque canis, antennis piceis, pedibus nigro-æneis, tibiis basi fulvis, tarsis piceis, alis limpidis,*

Body brassy black: head covered with white bloom, clothed with short tawny hairs, and in front with white hairs: feelers pitchy: eyes red, clothed with short pale tawny hairs, covered with numerous little pitchy spots: chest clothed with short tawny hairs, adorned with five hoary stripes; breast hoary: abdomen obconical, hardly broader or longer than the chest, clothed with short tawny

hairs, which fringe the sides and hind borders of the segments: legs brassy black, clothed with short tawny hairs; shanks tawny towards the base; feet pitchy; shanks and feet clothed beneath with ferruginous down; claws and foot-cushions tawny; tips of claws black: wings colourless; wing-ribs ferruginous; veins black, ferruginous towards the base; poisers yellow. Length of the body 3½—4½ lines; of the wings 6—8 lines.

a. Albania. Presented by W. W. Saunders, Esq.

ERISTALIS lætus, *Wied. Auss. Zweif.* ii. 192, 58.
a. China. Presented by G. T. Lay, Esq.

ERISTALIS sincerus, *Harris, Cat. Ins. Massachusetts.* E. cupreovittatus? *Wied. Auss. Zweif.* ii. 190, 54. *Æneus, capite nigro, thorace vittato, antennis ferrugineis, pedibus nigris, tibiis basi fulvis, tarsis piceis, alis limpidis.*

Body brassy: head black, clothed with short dark tawny hairs, and in front with white hairs: mouth black: feelers ferruginous: eyes dark red; all the facets small: chest indistinctly striped, clothed with short whitish hairs: abdomen rather brighter than the chest, clothed with short whitish hairs: legs black, clothed with short tawny hairs; feet pitchy; shanks pale tawny towards the base; foot-cushions tawny: wings colourless; wing-ribs and poisers tawny; veins black, tawny towards the base. Length of the body 5 lines; of the wings 9 lines.

a. United States. Presented by the Entomological Club.

ERISTALIS taphicus, *Wied. Auss. Zweif.* ii. 191, 57.
a. Teneriffe. Presented by the Entomological Club.

ERISTALIS incisus, *Wied. Auss. Zweif.* ii. 155, 5.
a. South Africa. Presented by Dr. A. Smith.

ERISTALIS assimilis, n. s., fem. *Nigro-fuscus, scutelli margine ferrugineo, abdomine basi fulvo, antennis piceis, pedibus fulvis, femoribus tibiisque posticis piceis, alis limpidis.*

Body dark brown: head covered with tawny down, clothed with short tawny hairs; crown clothed with brown hairs, front with hoary hairs: mouth black: feelers pitchy; bristle tawny: eyes pitchy, slightly bronzed; facets on the fore part of the crown larger than those elsewhere: chest and breast covered with dull tawny bloom, thickly clothed with short tawny hairs; border of the scutcheon ferruginous: abdomen obconical, longer and a little broader than the chest, covered with dull tawny bloom, thinly clothed

with short tawny hairs; two large dull tawny spots occupying the sides of the base and almost meeting on the back: legs tawny, clothed with short tawny hairs; hind thighs and hind shanks pitchy; claws and foot-cushions tawny; tips of claws black: wings colourless; wing-ribs pitchy; veins tawny, pitchy towards the tips; poisers pale tawny. Length of the body 6½—7 lines; of the wings 13—14 lines.

Var. β. Thighs and hind feet pitchy.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

ERISTALIS Androclus, n. s., fem. *Niger, thoracis vittis quatuor canis, scutello æneo margine fulvo, abdomine angulis duabus marginis lateralibus fulvis, antennis pedibusque nigris, tibiis basi flavis, alis subcinereis fusco-fulvo venosis.*

Body black: head clothed with dark tawny hairs; front prominent, covered on each side with tawny down: mouth black: feelers black; bristle tawny, with a black tip: eyes red; their disks partly black; all the facets very small: chest and breast covered with gray bloom, clothed with short tawny hairs; chest adorned with four dull hoary stripes; scutcheon slightly bronzed, its border tawny: abdomen nearly oval, clothed with short tawny hairs, broader and a little longer than the chest, adorned with a large angular tawny spot on each side towards the base: legs black, clothed with short tawny hairs; thighs clothed with short black hairs; shanks yellow towards the base; foot-cushions and claws tawny; tips of claws black: wings slightly gray, brownish tawny along the veins, with the exception of the tips and of the hind borders; a small brown spot on the middle of the fore border; wing-ribs and veins ferruginous; veins black towards the tips; poisers yellow. Length of the body 6 lines; of the wings 12 lines.

Var. β. Veins of the wings not clouded.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERISTALIS torridus, n. s., fem. *Niger, thorace pube fulva subvittato, scutello fulvo, abdomine fulvo, segmentorum marginibus posticis apiceque nigris, oculis fasciatis, antennis piceis subtus ferrugineis, pedibus fulvis, femoribus nigris, tibiis posticis tarsisque anterioribus piceis, alis limpidis.*

Body black: head covered with hoary bloom, clothed with tawny hairs; front clothed with pale yellow hairs: mouth black: feelers pitchy, ferruginous beneath; bristle tawny, black towards the tip: eyes red, adorned with six black bands; all the facets very

small: chest and breast covered with tawny down, clothed with short tawny hairs; the down on the chest arranged in indistinct stripes; scutcheon tawny: abdomen obconical, longer and a little narrower than the chest, tawny for half the length from the base, with the exception of the hind borders, which, like the rest of the abdomen are black: legs clothed with short yellow hairs; hips and thighs black; tips of thighs yellow; tips of hind thighs red, clothed beneath with short black hairs; shanks tawny, yellow towards the base; hind shanks pitchy, clothed with short black hairs, tawny at the base; feet pitchy; hind feet tawny, with pitchy tips; claws and foot-cushions tawny; tips of claws black: wings colourless; a very small brown spot on the middle of the fore border; wing-ribs tawny; veins black, tawny towards the base; poisers yellow. Length of the body 6 lines; of the wings 11 lines.

a. ———?

ERISTALIS calidus, n. s., fem. *Niger, scutello abdomineque fulvis hujus apice vittaque dilatata nigris, antennis piceis, pedibus flavo-fulvis, femoribus nigris, alis limpidis ad costam fulvis.*

Body black: head covered with yellow down, clothed with yellow hairs; crown beset with a few black hairs; a broad brown shining stripe between the feelers and the mouth, which is pitchy: feelers pitchy; bristle tawny, downy: eyes pitchy; facets very small: chest and breast thickly covered with short tawny hairs; scutcheon tawny: abdomen nearly oval, tawny, longer and a little broader than the chest, clothed with short tawny hairs, black at the tip, and having on the back a black interrupted stripe, which during its course is widened into two short bands: legs clothed with short tawny hairs; hips black; thighs black, with yellow tips; hind thighs pitchy, tawny towards the base; shanks tawny, yellow at the base; feet pitchy, tawny towards the base; claws and foot-cushions tawny; tips of claws black: wings colourless, tawny along the fore border for more than half the length, where there is a small brown spot; wing-ribs tawny; veins black, tawny towards the base; poisers yellow. Length of the body 6 lines; of the wings 12 lines.

a. ———?

ERISTALIS frater, n. s., fem. *Niger, thoracis vittis quatuor scutelloque fulvis, abdominis fasciis duabus fulvis utrinque connexis, antennis piceis, pedibus nigris, tibiis basi fulvis, alis cinereis.*

Body black: head clothed with pale tawny down and hairs; crown beset with black hairs: mouth black: feelers pitchy; bristle tawny: eyes black; all the facets very small: chest and breast

clothed with short tawny hairs; chest adorned with four dull tawny stripes; scutcheon tawny: abdomen obconical, rather longer and broader than the chest, thinly clothed with short tawny hairs, adorned with two tawny bands, which are broad and connected together on each side: legs black, clothed with short tawny hairs; shanks tawny towards the base; feet covered beneath with tawny down; claws and foot-cushions tawny; tips of claws black; hind thighs rather thick; hind shanks slightly curved: wings gray; wing-ribs pitchy; veins black, ferruginous towards the base; poisers pale yellow. Length of the body 6 lines; of the wings 12 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERISTALIS decisus, n. s., fem. *Nigro-fuscus, scutelli fulvi disco fusco, abdominis fasciis tribus ventreque flavis, segmentorum marginibus posticis fulvis, antennis ferrugineis, pedibus fulvis, femoribus basi nigris, tribus posticis ferrugineis, tarsis anticis piceis posticis nigris, alis subcinereis ad costam subfulvis.*

Body black: head clothed with short tawny hairs, and on the crown with short black hairs, ferruginous in front; sides of the peristoma black: mouth pitchy: feelers ferruginous: eyes pitchy; facets on the front of the crown rather larger than those elsewhere: chest and breast covered with a brown bloom, thickly clothed with short tawny hairs; scutcheon tawny, its disk brown: abdomen obconical, longer and broader than the chest, thinly clothed with very short yellow hairs, adorned with three yellow bands; first band very broad on each side, interrupted in the middle; second band narrower, with ferruginous marks, half interrupted in the middle; third band still narrower, its hind border concave; hind borders of the segments tawny; underside pale yellow, tawny towards the tip: legs tawny, clothed with short tawny hairs; thighs black, tawny towards the tips; claws tawny, with black tips; foot-cushions yellow; middle thighs tawny from the middle to the tips; hind thighs rather thick; hind shanks ferruginous, slightly curved, tawny at the base; fore feet pitchy; hind feet black: wings slightly gray, with a tawny tinge at the base and along two-thirds of the fore border; wing-ribs pitchy; veins black, ferruginous towards the base; poisers yellow. Length of the body 6 lines; of the wings 11 lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

ERISTALIS hæsitans, n, s., fem. *Nigro-fuscus, scutello ferrugineo, abdominis lateribus basi segmenti secundi margine postico ventreque fulvis, antennis piceis, pedibus nigris, tibiis basi albidis, tarsis intermediis basi fulvis, alis limpidis.*

Head black: clothed with short tawny hairs, pitchy on the crown, and beset on each side with a few short black hairs, bright tawny and clothed with yellow hairs in front, where there is a brown shining spot: mouth black: feelers pitchy, with a ferruginous spot at the base; bristle tawny: eyes dark pitchy, their facets very small: chest and breast dark brown, clothed with short tawny hairs; scutcheon ferruginous; abdomen obconical, dark brown, shining, longer and a little broader than the chest, very thinly covered with pale yellow down; a large tawny angular spot on each side of the base; hind border of the second segment tawny; underside mostly tawny: legs black, clothed with pale yellow hairs; shanks whitish towards the base; middle feet tawny at the base; claws and foot-cushions tawny; tips of claws black: wings colourless; a small brown spot on the middle of the fore border; wing-ribs pitchy; veins black, ferruginous towards the base; poisers tawny. Length of the body 6 lines; of the wings 12 lines.

a. ——— ?

ERISTALIS campestris, *Meig. Dipt.* iii. 387, 5. *Macq. Hist. Nat. Dipt.* i. 505, 12.

a. England.

ERISTALIS hortorum, *Meig. Dipt.* iii. 387, 6.

a. England.

ERISTALIS vulpinus, *Megerle, Meig. Dipt.* iii. 388, 7.

a. England.

ERISTALIS cryptarum, *Fabr. Syst. Antl.* 235, 11. *Meig. Dipt.* iii. 389, 9. *Macq. Hist. Nat. Dipt.* i. 505, 13. Syrphus cryptarum, *Fabr. Ent. Syst.* iv. 285, 26.

a. England.

ERISTALIS intersistens, n. s. *Niger, fronte flavo vittis tribus nigris, thorace viridi-æneo abdominis lateribus fulvis, antennis piceis, femoribus tibiisque nigro-fasciatis, tarsis piceis, alis subfulvis.*

Body black: head clothed with whitish hairs and down, pale yellow, with three black stripes in front: mouth pitchy: feelers pitchy; third joint rather paler: chest and breast brassy green, clothed with tawny hairs: abdomen elliptical, a little longer and broader than the chest, thinly clothed with tawny hairs; sides irre-

gularly tawny for more than half the length from the base: legs tawny, clothed with short tawny hairs; hips black; a broad black band across each thigh and shank; feet pitchy, tawny at the base; foot-cushions and claws tawny; tips of the claws black: wings slightly tawny; wing-ribs and veins tawny, the latter black towards the tips; poisers tawny. Length of the body 4½—5 lines; of the wings 9—10 lines.

a. New York.
b. Trenton Falls. Presented by E. Doubleday, Esq.

ERISTALIS anthophorinus, *Meig. Dipt.* iii. 90, 11. Syrphus anthophorinus, *Fall. Syrph.* 23, 21. *Zett. Ins. Lapp.* 594, 9.
a. ——— ? From Mr. Children's collection.

ERISTALIS nebulosus, *Barnston's MSS.*, mas. et fem. *Niger, scutello fulvo, abdominis lateribus fulvo unimaculatis, antennis piceis, pedibus nigris, tibiis ferrugineis, alis limpidis basi discoque fuscis.*

Body black: head shining, clothed with pale yellow hairs, covered behind and about the base of the feelers with pale yellow down: mouth pitchy: feelers pitchy; bristle tawny, downy, darker towards the tip: eyes pitchy, thinly clothed with short black hairs; facets on the fore part of the crown rather larger than those elsewhere: chest and breast thickly clothed with pale tawny hairs; scutcheon tawny: abdomen nearly oval, rather longer and broader than the chest, thickly clothed in the male with pale tawny hairs, and on the disk with black hairs, in the female with black hairs, adorned with a large tawny spot on each side near the base: legs black, clothed with short black hairs; shanks ferruginous, clothed with tawny hairs; claws tawny, with black tips; foot-cushions pale yellow; feet clothed beneath with tawny down: wings colourless, brownish tawny towards the base, adorned with a large brown spot on the disk; wing-ribs pitchy; veins black, ferruginous towards the base; poisers tawny. Length of the body 5—5½ lines; of the wings 10—11 lines.

a. New York. Presented by the Entomological Club.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
c. Nova Scotia. From Lieut. Redman's collection.

ERISTALIS dives, n. s., mas. *Nigro-æneus, thorace vittis cinereis, abdomine purpureo ornato, antennis fulvis, pedibus nigro-æneis, tibiis ferrugineis piceo fasciatis, basi flavis, tarsis fulvis, alis fulvis, macula parva costali nigra.*

Body brassy black: head beset on the crown with a few black hairs, covered in front with tawny down; on the front, whose sides are adorned with oblique tawny stripes: mouth pitchy: feelers tawny: eyes bright bronze, covered with numerous little black spots; fore part of the crown flat, not spotted, composed of much larger facets than those elsewhere: chest indistinctly striped with gray: breast covered with tawny down and hairs: abdomen deep black, obconical, a little shorter but not broader than the chest, thinly clothed with very short black hairs; hind borders of the segments and tip brassy, partly tinged with purple; the purplish bronze band on each segment is interrupted by a space, which is partly occupied by a brassy spot: legs brassy black, clothed with short tawny hairs; shanks yellow at the base; fore and middle shanks ferruginous, with pitchy bands; feet tawny, with darker tips; tips of hind feet black; claws and foot-cushions tawny; tips of claws black: wings tawny, with a small round black spot on the middle of the fore border; wing-ribs ferruginous; veins pitchy, ferruginous towards the base; poisers tawny. Length of the body 6 lines; of the wings 11 lines.

a. ——— ?

ERISTALIS Saxorum, *Wied. Auss. Zweif.* ii. 158, 9.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

b. ——— ? From Mr. Children's collection.

ERISTALIS inflexus, n. s., mas. et fem. *Niger, fulvo subfuscus, scutello subæneo margine fulvo, segmentorum marginibus posticis flavis, antennis piceis, pedibus nigris, tibiis basi flavis, alis limpidis disco subfuscis.*

Body black; head covered with whitish down, clothed with short white hairs; a ferruginous space at the base of the feelers; mouth black: feelers pitchy; bristle tawny: eyes black; all the facets very small: chest and breast covered with a dark tawny bloom, clothed with tawny hairs; scutcheon slightly bronzed; its border tawny: abdomen nearly oval, a little longer and broader than the chest, thinly clothed with short tawny hairs, more thickly covered with white hairs at the base and on each side of the second segment; hind borders of the segments pale yellow: legs black, clothed with

short tawny and black hairs; shanks pale yellow for half the length from the base; foot-cushions and claws tawny; tips of claws black: wings colourless, tinged with brown in the disk; wing-ribs and veins pitchy, the latter partly ferruginous, black along the fore border; poisers pale yellow. *Fem.*—Head clothed on the crown with black hairs, covered with tawny down between the crown and the feelers. Length of the body 5½—6 lines; of the wings 11—12 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.
c. ———?

ERISTALIS pervagus, *Harris, Cat. Ins. Massachusetts.* Fem.—*Niger, scutello cyaneo, abdominis segmentorum secundi et quarti marginibus posticis flavis, antennis pedibusque piceis, femoribus posticis tibiisque basi fulvis, alis limpidis basi discoque fuscis.*

Body black, shining: head covered with white bloom, clothed with white down; a black stripe along the front: mouth black: feelers pitchy; bristle tawny, hairy: eyes nearly black; their facets very small: chest thickly, but partially clothed with short pale tawny hairs; scutcheon blue: abdomen obconical, clothed with pale tawny down, a little broader but not longer than the chest; hind borders of the second and of the fourth segments pale yellow: legs pitchy; shanks and hind thighs tawny towards the base; feet clothed beneath with tawny down; foot-cushions and claws tawny; tips of the claws black: wings colourless, brown at the base; a large irregular brown spot extends from the fore border more than half across the wing, and includes the cross-veins; wing-ribs and veins pitchy; veins tawny towards the base; poisers tawny. Length of the body 5 lines; of the wings 10 lines.

a. United States. Presented by the Entomological Club.
b. ———?

ERISTALIS dimidiatus, *Wied. Auss. Zweif.* ii. 180, 41.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERISTALIS transversus, *Wied. Auss. Zweif.* ii. 188, 51. *Macq. Dipt. Exot.* ii. 33, 4, *pl.* 9, *f.* 12.
a. Nova Scotia. From Lieut. Redman's collection.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
c. Ohio. Presented by the Entomological Club.

d. Trenton Falls. Presented by E. Doubleday, Esq.
e. Delaware.
f. New York. Presented by the Entomological Club.
g. Florida. Presented by E. Doubleday, Esq.
h. North America. From Mr. Children's collection.

ERISTALIS compactus, n. s., fem. *Niger, scutello rufo, abdominis segmentorum marginibus posticis flavis, antennis rufis, pedibus ferrugineis, tibiis basi flavis, tarsis anticis piceis, alis limpidis ad costam rufo-fuscis.*

Body black, stout, broad, shining: head clothed with a few pale tawny hairs, prominent about the mouth: feelers red: eyes pitchy, red, with a slight bronze tinge on the inner part above: chest and breast thinly clothed with short tawny hairs; scutcheon dark red: abdomen short, a little longer than broad, longer and broader than the chest, clothed with a few short tawny and black hairs; hind borders of the segments yellow: legs ferruginous, clothed with short black hairs; shanks pale yellow towards the base: feet pitchy towards the tips, clothed beneath with tawny down; fore feet pitchy; claws and foot-cushions tawny; tips of claws black: wings colourless, reddish brown along the fore borders for two-thirds of the length; wing-ribs pitchy; veins black, pitchy towards the base; poisers tawny. Length of the body 4 lines; of the wings 8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERISTALIS solitus, n. s., mas. *Niger, scutello abdomineque fulvis hoc fasciis quatuor fuscis, antennis ferrugineis, pedibus fulvis, tibiis posticis femoribusque nigris, tarsis piceis, alis limpidis.*

Body black: head covered with white bloom, clothed with short pale yellow hairs: mouth black: feelers ferruginous: eyes pitchy: all their facets very small: chest covered with dull tawny bloom, clothed with short pale yellow hairs; scutcheon tawny: abdomen tawny, obconical, a little broader but not longer than the chest, adorned with four deep brown bands; first band at the base; second band connected with the first in the middle; third band connected with a round brown spot by the middle of its fore border; fourth band near the tip; underside pale yellow, brown towards the tip: legs tawny, clothed with pale yellow hairs; hips, thighs, and hind shanks black; feet pitchy, paler beneath; claws and foot-cushions tawny; tips of claws black: wings colourless; wing-ribs

pitchy; veins tawny, black towards the tips; poisers tawny. Length of the body 5 lines; of the wings 11 lines.

a. Nepaul. From the Hardwicke bequest.

ERISTALIS secretus, n. s. *Nigro-æneus, scutello fulvo, abdomine nigro fasciis duabus fulvis, pedibus ferrugineis, femoribus æneis, tibiis anterioribus tarsisque fulvis, alis limpidis.*

Head wanting: chest and breast brassy black, clothed with tawny hairs; scutcheon tawny: abdomen black, obconical, a little longer than the chest; second segment adorned with an interrupted tawny band; third segment with an entire band: legs ferruginous, clothed with short tawny hairs; hips and thighs brassy; feet and four front shanks tawny; tips of feet pitchy; claws and foot-cushions tawny; tips of claws black: wings colourless, with a very small brown spot on the fore border; wing-ribs and veins ferruginous, the latter pitchy towards the tips; poisers tawny, with ferruginous knobs. Length of the body 5 lines; of the wings 10 lines.

a. ——? From Mr. Children's collection.

ERISTALIS jucundus, n. s., fem. *Niger, scutello abdomineque fulvis, hoc fasciis tribus fuscis apiceque nigro, antennis ferrugineis articulo 3° supra piceo, pedibus fulvis, tibiis posticis femoribusque piceis, alis limpidis.*

Body black: head and chest clothed with short pale yellow hairs: head covered with pale yellow down, adorned with three black stripes between the feelers and the mouth; crown beset with a few black hairs: mouth pitchy: feelers ferruginous; third joint pitchy above; bristle tawny, with a black tip: eyes red, slightly bronzed, each adorned with four black stripes: chest covered with tawny down, with the exception of four black stripes, of these, the middle pair are near together, and the side pair are interrupted; scutcheon tawny, slightly bronzed: abdomen obconical, pale tawny, a little longer than the chest, adorned with three brown bands; the second band broader than the first, but much narrower than the third, which is succeeded by a narrow tawny band, and beyond this the abdomen is black: legs tawny, clothed with short tawny hairs; hips, thighs, and hind shanks pitchy, and clothed with black hairs; knees yellow; tips of feet ferruginous; foot-cushions pitchy; claws tawny, with black tips: wings colourless; a very small brown spot in the middle of the fore border; wing-ribs tawny; veins pitchy, tawny towards the base; poisers pale yellow. Length of the body 5 lines; of the wings 10 lines.

a. ——?

ERISTALIS Ægyptius, n. s., mas. *Niger, scutello abdomineque fulvis hujus segmentorum marginibus posticis apiceque nigris, oculis fasciatis, antennis piceis, pedibus ferrugineis, femoribus tibiisque basi tarsisque fulvis, alis limpidis.*

Body black, clothed with short tawny hairs: mouth black: feelers pitchy; bristle tawny: eyes red, slightly bronzed, adorned with five black bands: scutcheon tawny: abdomen obconical, tawny, a little longer than the chest: hind borders of the segments and tip black: legs ferruginous, clothed with short tawny and black hairs; thighs and shanks tawny towards the base; feet tawny, with ferruginous tips; claws and foot-cushions tawny; tips of claws black: wings colourless; wing-ribs and veins tawny, the latter pitchy towards the tips; poisers yellow. Length of the body 5 lines; of the wings 10 lines.

a. Egypt. Presented by Sir G. Wilkinson.

ERISTALIS caliginosus, n. s., fem. *Niger, scutello abdominis maculis duabus magnis et segmentorum marginibus posticis flavis, antennis pedibusque nigris, alis cinereo fulvis.*

Body black: head clothed with short black hairs, and in front with whitish hairs and down; crown covered with brown down: eyes bronzed; all the facets very small: chest and breast clothed with short tawny hairs; scutcheon yellow; its fore border black: abdomen obconical, hardly longer or broader than the chest, thinly clothed with short tawny hairs, adorned with a very large yellow spot on each side of the second segment; sides of the segments adorned with steel-coloured spots, their hind borders yellow: legs black, clothed with short black and tawny hairs; knees ferruginous; claws and foot-cushions pale tawny; tips of claws black; hind thighs rather thick; hind shanks slightly curved: wings pale grayish tawny, darker along the fore borders, especially in the middle, deep brown at the base; wing-ribs and poisers pitchy; veins black, pitchy towards the base. Length of the body 6 lines; of the wings 12 lines.

a. ——— ?

ERISTALIS cyaneifer, n. s. *Niger, thoracis fasciis duabus una fulva altera cyanea, scutello abdominisque maculis magnis lateralibus fulvis, pedibus ferrugineis, femoribus nigris, alis flavo-fuscis.*

Body black: head wanting: chest deep black, clothed with short dark tawny hairs, adorned in front of the wings with a dull tawny band, and behind the wings with a deep blue band which terminates on each side in a tawny spot; scutcheon tawny;

breast covered with a grayish tawny bloom, clothed with short tawny hairs: abdomen obconical, a little longer than the chest; sides of the segments adorned with large tawny spots: legs black, clothed with short tawny hairs; shanks and feet dark ferruginous; foot-cushions tawny; claws black, ferruginous at the base; hind thighs rather thick; hind shanks slightly curved; hind feet pitchy: wings yellowish brown, darkest about the middle, and darker thence to the tips than towards the base; wing-ribs pitchy; veins black, pitchy towards the base. Length of the body 6 lines; of the wings 12 lines.

a. ——— ?

ERISTALIS lateralis, *Walker, Linn. Trans.* xvii. 347, 42. Allied to E. fasciatus, *Wied. Auss. Zweif.* ii. 173, 29.

a. St. Paul. Presented by the Entomological Club.
b. Chili. From Mr. Cuming's collection.
c. Mexico. Presented by E. P. Coffin, Esq.
d. Jamaica. From Mr. Gosse's collection.
e. Jamaica. From Mr. Gosse's collection.
f. Cayenne.
g. ——— ? Presented by Sir E. Belcher.

ERISTALIS diminutus, n. s., fem. *Niger, scutello fulvo, abdominis lateribus basi segmentorum marginibus posticis ventreque fulvis, antennis pedibusque nigris, tibiis basi genubusque ferrugineis, alis limpidis.*

Body black: head covered with hoary down, clothed with pale short tawny hairs; crown beset with a few black hairs: feelers black; third joint pitchy; bristle reddish brown: eyes very dark red, clothed with short black hairs; all the facets very small: chest and breast thickly clothed with short tawny hairs; scutcheon tawny: abdomen obconical, a little broader but not longer than the chest, thinly clothed with short tawny hairs; a large tawny spot on each side of the base; hind borders of the segments tawny; underside tawny, with a black tip: legs black, clothed with short tawny hairs; shanks at the base and knees ferruginous; hind shanks curved; hind thighs rather thick; claws black; foot-cushions dark tawny: wings colourless; wing-ribs pitchy; veins black; poisers yellow. Length of the body 3½ lines; of the wings 7 lines.

a. Mexico. Presented by E. P. Coffin, Esq.

ERISTALIS agrorum, *Fabr. Syst. Antl.* 235, 12. *Wied. Auss. Zweif.* ii. 172, 28. Syrphus agrorum, *Fabr. Ent. Syst.* iv. 285, 27.

a. ——— ?
b. ——— ? From Mr. Children's collection.

ERISTALIS vinetorum, *Fabr. Syst. Antl.* 235, 13. *Wied. Auss. Zweif.* ii. 163, 15. *Macq. Dipt. Exot.* ii. 41, 16. Syrphus vinetorum, *Fabr. Ent. Syst. Suppl.* 562, 27.

a. Brazil.
b. Nova Scotia. From Lieut. Redman's collection.
c. ——— ? From Mr. Children's collection.
d. ——— ?

ERISTALIS uvarum, *MSS.*, fem. *Niger, capite antennis scutelloque fulvis, thoracis fasciis duabus fuscis, abdominis basi segmentorum marginibus posticis ventreque fulvis, pedibus ferrugineis nonnunquam piceo variis, tibiis basi flavis, alis subfulvis cinereo variis.*

Head tawny, clothed with white hairs and down: crown beset with a few brown hairs: mouth pitchy: feelers tawny: eyes red, slightly bronzed; all the facets very small: chest and breast black, clothed with yellowish hoary down; chest adorned with two brown bands, one narrow in front of the wings, the other broad between the wings; scutcheon bright tawny: abdomen obconical, a little longer and broader than the chest, clothed with tawny hairs, adorned at the base with a very broad interrupted tawny band; hind borders of the segments and underside tawny: legs ferruginous, clothed with short black and tawny hairs; shanks at the base yellow and clothed with pale yellow hairs; feet pitchy towards the tips; claws and foot-cushions tawny; tips of claws black: wings pale tawny; disks of some of the areolets gray; wing-ribs tawny; veins pitchy, tawny towards the base; poisers tawny. Length of the body 5—6 lines; of the wings 9—11 lines.

Var. β. An interrupted tawny band on the third abdominal segment; hind thighs pitchy towards the base.

Var. γ. Like var. β.: thighs towards the base, hind thighs, and hind shanks pitchy.

a. Jamaica. Prom Mr. Gosse's collection.
b. Jamaica. From Mr. Children's collection.
c. Jamaica.
d. ——— ? From Mr. Children's collection.
e. ———?

ERISTALIS Amphicrates, n. s., mas. et fem. *Fuscus, capite fulvo, thoracis fascia scutelloque fuscis, abdomine fulvo maculis tribus triangulis fuscis apice nigro-æneo, antennis fulvis, pedibus nigris, femoribus tibiisque basi fulvis, alis limpidis fulvo venosis.*

Male.—Body brown: head tawny, beset with a few black hairs on the crown about the eyelets, in front yellow, and clothed with

short tawny hairs: mouth pitchy: feelers tawny: eyes bronzed; facets on the fore part of the crown much larger than elsewhere: chest clothed with short tawny hairs; a broad brown band across the middle; scutcheon brown: abdomen obconical, tawny, clothed with short tawny hairs, a little broader but hardly longer than the chest, brassy towards the tip, which is black, adorned with three triangular brown spots, successively decreasing in size from the base, and each having a shining triangular tawny spot on its disk; underside tawny: legs black, clothed with short black hairs; thighs and shanks tawny towards the base, and clothed there with tawny hairs; claws and foot-cushions tawny; tips of claws black: wings colourless, with a tawny tinge along the borders of the veins, excepting the tips and the hind borders of the wings; wing-ribs and veins pitchy; poisers tawny. *Fem.* — Front of the head white: bands of the chest paler and more distinct than those of the male: abdomen with brown bands on the hind borders of the segments: hind thighs pitchy. Length of the body 5—5½ lines; of the wings 10—11 lines.

a. North Bengal. From Miss Campbell's collection.
b. Java. From Mr. Melly's collection.
c. East Indies. From Archdeacon Clerk's collection.
d. China. Presented by G. T. Lay, Esq.

Eristalis nigricans, *Wied. Auss. Zweif.* ii. 89, 52.
a. South Africa. Presented by Dr. A. Smith.

Eristalis tæniops, *Wied. Auss. Zweif.* ii. 182, 43.
a. South Africa. Presented by Dr. A. Smith.

Eristalis arvorum, *Fabr. Syst. Antl.* 235, 14. *Wied. Auss. Zweif.* ii. 184, 46. *Macq. Dipt. Exot.* ii. 47, 26. Syrphus arvorum, *Fabr. Ent. Syst.* iv. 286, 28.
a. ———?

Eristalis Anicetus, n. s., mas. et fem. *Fulvus, thorace vittis quatuor piceis, scutello ferrugineo, abdominis vitta dorsali et segmentorum marginibus posticis ferrugineis, antennis pedibusque fulvis, alis limpidis.*

Body tawny: head clothed in front with short tawny hairs: feelers tawny: eyes bronzed; facets on the fore part of the crown much larger than elsewhere: chest covered with tawny down, adorned with four pitchy stripes; scutcheon pale ferruginous; breast paler tawny: abdomen short-obconical, a little broader but not longer than the chest; a ferruginous stripe along the back; hind borders of the segments ferruginous: legs tawny, partly ferru-

ginous; tips of claws black: wings colourless; wing-ribs and veins ferruginous; poisers tawny. Length of the body 5 lines; of the wings 10 lines.

a. ——— ? From Mr. Children's collection.
b. ——— ?

Eristalis Æsepus, n. s., mas. et fem. *Æneus, capite nigro, thorace vittis quinque scutelloque fulvis, abdomine fulvo fasciis tribus æneis, antennis pedibusque fulvis, tibiis posticis femoribusque viridibus, alis limpidis fusco ad costam bimaculatis.*

Head black, clothed on the crown with a few black hairs, in front tawny and covered with tawny down: mouth black: feelers tawny; a pitchy stripe along the edge of the third joint; bristle pitchy towards the tip: eyes red, slightly bronzed, covered with many little darker spots: chest and breast bronzed, thinly clothed with short tawny hairs: chest adorned with five tawny stripes; scutcheon tawny, its disk slightly bronzed; breast partly tawny: abdomen tawny, obconical, very little shorter than the chest, adorned with three bronze bands; bands on the male of various breadths, the first narrow, but widened in the middle; bands in the female broad and regular; underside of the tip bronzed: legs tawny, clothed with short tawny hairs; hips and thighs, except the tips and hind shanks, green, the latter pale yellow at the base; tips of feet pitchy; claws and foot-cushions tawny; tips of claws black: wings colourless; two small brown spots on the middle of the fore border; wing-ribs and veins tawny; tips of the latter pitchy; poisers pale yellow. Length of the body 4 lines; of the wings 8 lines.

a. China. Presented by G. T. Lay, Esq.
b. ——— ?

Eristalis Agno, n. s., mas. *Fulvus, capite nigro, thorace vittis quatuor scutelloque æneis, abdomine vitta dorsali nigra fasciisque nigro-fuscis, antennis ferrugineis, pedibus fulvis, tibiis anterioribus femoribusque apice ferrugineis, femoribus posticis tarsisque apice necnon tibiis posticis piceis, his ferrugineo fasciatis basi flavis, alis limpidis.* Fem.—*Abdomine nigro maculis octo flavis, femoribus posticis apice tibiisque posticis ferrugineis, illis subtus nigris.*

Head black, covered with a white bloom, clothed with short tawny hairs, pale tawny in front: mouth black: feelers pale ferruginous; a black stripe on the edge of the third joint; bristle black towards the tip: eyes red, slightly bronzed; lower part covered with

numerous little dark spots; facets on the fore part of the crown larger than elsewhere: chest and breast tawny, thinly clothed with short tawny hairs; chest adorned with four bronze stripes; outer stripe on each side interrupted by an oblique tawny band; scutcheon coppery green, with a tawny border; breast partly bronzed: abdomen obconical, tawny, as long as the chest, adorned with a single black stripe, and with a brown band along the nearly black hind border of each segment: legs tawny, clothed with short tawny and black hairs; hips and tips of hind thighs pitchy; tips of the thighs and of the shanks of the four front legs ferruginous; hind shanks pitchy, pale yellow at the base, ferruginous about the middle; tips of feet pitchy; claws and foot-cushions tawny; tips of claws black: wings colourless; a small black spot on the middle of the fore border; wing-ribs and veins tawny, the latter black towards the tips; poisers pale yellow. *Fem.*—Abdomen black above, with four yellow spots on each side; these spots are in pairs, and decrease successively in size from the base to the tip; there are also three pairs of spots on the sides of the abdomen; the first pair on the back join the first side pair, the second are nearly separated from the second side pair, and the third pair are quite distinct from the third side pair: tips of hind thighs ferruginous, black beneath; hind shanks mostly ferruginous. Length of the body 5 lines; of the wings 10 lines.

a. New Holland. Presented by J. Hunter, Esq.
b. New Holland. Presented by the Earl of Derby.
c. West Australia. From Mr. Clifton's collection.

ERISTALIS Antidotus, n. s., mas. *Fulvus, thorace vittis quatuor scutelloque æneis, abdomine basi albido, fasciis duabus fuscis ornato, apice viridi, segmento quarto piceo margine postico ferrugineo flavoque fasciato, antennis pedibusque fulvis, tibiis basi flavis, tibiis posticis ferrugineis, alis limpidis.*

Head covered with a white bloom, clothed with short tawny hairs, beset with a few black hairs at the crown, yellow in front: mouth black: feelers tawny; a black stripe on the edge of the third joint; bristle black towards the tip: eyes yellow, slightly bronzed; facets on the fore part of the crown larger than those elsewhere: chest and breast tawny, covered with tawny down: chest adorned with four bronze stripes; scutcheon slightly bronzed; breast bronzed about the hips: abdomen obconical, deep tawny, a little shorter but hardly broader than the chest; a whitish narrow band at the base; a brown band along the hind border of the second segment, widening and forming an angle in the middle of its fore border; third segment with a similar band along its hind border,

which however is tawny; fourth segment pitchy, ferruginous on the hind border, and adorned with a broad angular yellow band; fifth segment dark green, shining: legs tawny, clothed with short tawny and black hairs; thighs darker towards the tips; shanks pale yellow towards the base; hind shanks ferruginous, yellow at the base, tawny in the middle; claws and foot-cushions tawny; tips of claws black: wings colourless; wing-ribs, veins, and poisers tawny. Length of the body 5½ lines; of the wings 10 lines.

a. China. Presented by G. T. Lay, Esq.

ERISTALIS Inamames, n. s., mas. *Niger, pilis fulvis vestitus, scutello nigro piloso, abdomine basi fulvo, antennis pedibusque nigris, tarsis fulvis, alis limpidis.*

Body black, broad and thick: head clothed with pale tawny hairs, silvery behind, beset with black hairs on the crown, covered in front with a dark tawny bloom: mouth black: feelers black; bristle tawny, feathered: eyes reddish bronze; facets on the front of the crown larger than those elsewhere: chest and breast black, chest thickly clothed with short bright tawny hairs; breast covered with a dull tawny bloom; scutcheon, with the exception of its hind border, clothed with black hairs: abdomen short-obconical, clothed with short tawny hairs, tawny at the base, a little broader and shorter than the chest: legs black, clothed with short black hairs; feet dark tawny; foot-cushions pale tawny; claws yellow, with black tips: wings colourless; wing-ribs and veins pitchy; poisers tawny. Length of the body 6 lines; of the wings 12 lines.

a. Sandwich Isles. Presented by Captain Beechey.

ERISTALIS Andræmon, n. s., fem. *Niger, thorace antico fulvo pectore cinereo, abdomine fulvo fasciis tribus nigris, pedibus nigris, alis albidis basi et costæ medio nigro-fuscis.*

Body black: eyes dark reddish bronze; facets very small: chest clothed with short black hairs, in front tawny and clothed with short tawny hairs: breast gray: abdomen short-obconical, bright tawny, adorned with three black bands on the hind borders of the segments, a little broader but not longer than the chest; first band much broader than either of the two following: legs black, clothed with short black hairs: wings whitish, dark brown at the base, and having a large spot of the same colour on the middle of the fore border; cross-veins clouded with brown: wing-ribs and veins black. Length of the body 6 lines; of the wings 11 lines.

a. Silhet. From the Rev. J. Stainforth's collection.

ERISTALIS Datamus, n. s., fem. *Niger, pilis fulvis vestitus, scutello nigro hirto, abdomine basi fulvo, pedibus nigris, tarsis fulvis, alis albidis basi et costæ medio nigro-fuscis.*

Body black, stout: head clothed with short tawny hairs; a ferruginous spot at the base of the feelers, which like the mouth are black: eyes reddish bronze; facets very small: chest and breast thickly clothed with short tawny hairs, which are most pale on the breast; scutcheon, excepting the hind border, clothed with black hairs: abdomen a little broader, but not longer than the chest, clothed with short tawny hairs, adorned with a broad tawny band, which occupies one-third of the length from the base: legs black, clothed with short tawny hairs: feet tawny; tips of claws black: wings whitish, dark brown at the base, adorned with a large dark brown spot on the middle of the fore border: wing-ribs and veins black; poisers pitchy. Length of the body 7 lines; of the wings 12 lines.

a. ——? From Mr. Children's collection.

ERISTALIS Plistoanax, n. s., mas. *Niger, capite fulvo, thorace piceo fasciis duabus fulvis, abdomine fulvo maculis dorsi ferrugineis, antennis fulvis, pedibus nigris, tibiis basi femoribusque posticis fulvis, alis fusco-fulvis.*

Body black, broad and thick: head tawny, clothed in front with pale tawny hairs: mouth pitchy: feelers tawny: eyes bronze black; facets on the fore part of the crown larger than elsewhere: chest pitchy, clothed with short black hairs, adorned with two dark tawny bands, which are clothed with hairs of the same colour; one is on the fore border, the other before the scutcheon: abdomen tawny, short-obconical, a little broader but not longer than the chest, clothed with short tawny hairs; a triangular ferruginous spot on the hind border of each segment from the second; that on the second is largest and darkest, and extends to the sides; legs black, clothed with short tawny hairs; shanks towards the base and hind thighs, except their tips, tawny and clothed with paler hairs; foot-cushions and claws tawny; tips of claws black: wings brownish tawny, paler at the tips and along the hind borders; wing-ribs and veins pitchy, the latter ferruginous towards the base; poisers tawny. Length of the body 5½ lines; of the wings 11 lines.

a. Philippine Isles. From Mr. Cuming's collection.

ERISTALIS Babytace, n. s., mas. *Niger, thorace piceo fasciis duabus fulvis, abdomine piceo basi fulvo, antennis ferrugineis, pedibus nigris, tibiis basi flavis, tarsis subtus piceis, alis subfulvis ad costam obscurioribus fuscoque maculatis.*

Body black, broad and thick: head clothed with short black hairs, in front tawny and clothed with short tawny hairs: mouth pitchy: feelers pale ferruginous; bristle tawny: eyes bronzed, dark red on the fore part of the crown, where the facets are larger than elsewhere: chest pitchy, clothed with short black hairs, adorned with two dark tawny indistinct bands, which are covered with hairs of the same colour; the first is in front of the chest, the second before the scutcheon: abdomen short-obconical, a little broader but not longer than the chest, clothed with short tawny hairs, tawny for half the length from the base, pitchy thence to the tip: legs black, clothed with short tawny hairs; shanks yellow towards the base; feet pitchy beneath; foot-cushions and claws tawny; tips of claws black: wings with a slight tawny tinge, darker along the fore border, on whose middle there is a brown spot; wing-ribs and veins pitchy; poisers tawny. Length of the body 6½ lines; of the wings 12 lines.

a. Philippine Isles. From Mr. Cuming's collection.

ERISTALIS Agyrus, n. s., mas. *Piceus, pilis fulvis hirtus, capite fulvo, abdomine viridi-æneo, basi fulvo, antennis piceis pedibus nigris tibiis basi femoribus anterioribus apice femoribusque posticis fulvis, alis limpidis.*

Body pitchy, broad and thick: head tawny, clothed in front with tawny hairs: mouth black, shining: feelers pitchy; bristle tawny: eyes coppery; facets on the fore part of the crown much larger than elsewhere: chest and breast clothed with dark tawny hairs, the latter covered with a gray bloom: abdomen brassy green, tawny towards the base, clothed with tawny hairs, shorter but hardly broader than the chest: legs black, clothed with tawny and black hairs; shanks tawny at the base; foot-cushions tawny; claws black, tawny towards the base; tips of four front thighs tawny; hind thighs tawny, black towards the tips: wings colourless; wing-ribs, veins, and poisers pitchy; angle of the tip vein sending forth a short branch. Length of the body 4½ lines; of the wings 8 lines.

a. Philippine Isles. From Mr. Wood's collection.

ERISTALIS Æsymnus, n. s., mas. *Piceus, pilis fulvis hirtus, thorace antico fulvo, abdominis basi fulvo apice fasciis ferrugineis, antennis piceis, pedibus ferrugineis, alis fuscis apice margineque postico limpidis.*

Body broad, pitchy: head clothed with pale tawny hairs, ferruginous in front: mouth pitchy: feelers pitchy; bristle tawny, feathered: eyes coppery, mingled with dark red; facets on the fore part of the crown larger than elsewhere: chest clothed with dark tawny hairs, in front bright tawny, and clothed with hairs of the same colour: abdomen short-obconical, clothed with tawny hairs, as broad as the chest but not longer, bright tawny from the base to near half the length, pitchy, with dark ferruginous bands from thence to the tip: legs dark ferruginous, thickly clothed with short black hairs; claws and foot-cushions tawny; tips of claws black; hind thighs not thick: wings dark brown, colourless at the tips and along the hind borders; wing-ribs, veins, and poisers pitchy; angle of the vein emitting a short branch. Length of the body 4 lines; of the wings 8 lines.

a. East Indies. From Archdeacon Clerk's collection.

ERISTALIS Æbutius, n. s., fem. *Nigro-æneus, capite nigro, fronte fulvo, scutello purpureo, abdomine cyaneo-viridi, æneo purpureo maculisque nigris ornato, antennis pedibusque fulvis, femoribus basi æneis, posticis viridi-æneis apice purpureis, tibiis apice tarsisque piceis, alis limpidis basi subfulvis.*

Head black, covered behind with silvery bloom, very bright tawny in front: mouth pitchy; feelers bright tawny; bristle darker; eyes very dark red; all their facets very small: chest and breast dull brassy black, thickly clothed with short tawny hairs; scutcheon bright purple: abdomen nearly oval, thinly clothed with short tawny hairs, a little longer and broader than the chest, bright coppery green at the base; then succeeds a broad purplish black band, which is followed by a narrow shining purplish blue band on the hind border of the second segment; third segment bluish green, with a large transverse black spot on each side of the hind border; fourth segment bluish green, with a smaller nearly round black spot on each side; fifth segment purplish blue, shining; tip black; third and fourth segments each adorned with a round black spot: legs tawny, clothed with short tawny hairs; thighs towards the base and hips brassy; feet and tips of the shanks of the fore legs and of the hind legs pitchy; hind thighs bright brassy green, purple towards the tips; claws black; foot-cushions tawny: wings colourless, with a slight tawny tinge towards the base; wing-ribs pitchy;

veins black, tawny towards the base, some of them tawny along the whole length; poisers tawny. Length of the body 6 lines; of the the wings 12 lines.

a. Adelaide. Presented by the Entomological Club.

ERISTALIS smaragdi, n. s., fem. *Viridis, micans, antennis fulvis, pedibus nigris, femoribus cyaneis, tibiis anterioribus basi fulvis, alis limpidis.*

Body bright metallic green, thinly clothed with short hoary hairs: head clothed with short pale hairs, white behind, in front tawny and covered with a white bloom: mouth pitchy: feelers tawny: eyes bronzed; their facets very small: breast with a tuft of white hairs on each side: abdomen obconical, as long and as broad as the chest: legs black; hips and thighs blue; hind thighs purplish blue, stout, compressed; four front shanks tawny at the base; hind shanks curved; claws black; foot-cushions dull tawny: wings colourless; wing-ribs and veins black; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. New Holland. Presented by J. Hunter, Esq.

ERISTALIS chrysopygus, *Wied. Zool. Mag.* iii. 15, 21. *Auss. Zweif.* ii. 152, 1. Phytomia chrysopyga, *Guerin, Belanger, Voy. Ind. Orient.* 510, *pl.* 4, *f.* 8. Megaspis chrysopygus, *Macq. Dipt. Exot.* ii. 27, 1, *pl.* 7, *f.* 2.

a. Silhet. From Mr. Sowerby's collection.

b. Silhet. From Mr. Stainforth's collection.

c. ——— ?

ERISTALIS crassus, *Fabr. Syst. Antl.* 232, 4. *Wied. Auss. Zweif.* ii. 153, 3. Syrphus crassus, *Fabr. Ent. Syst.* iv. 281, 12. S. megacephalus, *Fabr. Ent. Syst. Suppl.* 561, 17. Megaspis crassus, *Macq. Dipt. Exot.* ii. 28, 2, *pl.* 7, *f.* 3.

a. Nepaul. From the Hardwicke bequest.

b. North Bengal. From Miss Campbell's collection.

ERISTALIS intricarius, *Fabr. Syst. Antl.* 232, 3. *Meig. Dipt.* iii. 391, 12. *Macq. Hist. Nat. Dipt.* i. 501, 1. Musca intricaria, *Linn. Syst. Nat.* ii. 985. *Faun. Suec.* 1800. *Gmel. Ed. Syst. Nat.* v. 2871, 33. *Deg. Ins.* vi. 59, 3, *pl.* 8, *f.* 10, 11. *Stew, El.* ii. 265. *Turt.* iii. 638. M. fuscus, *Harr. Ex.* 42, *pl.* 10, *O.* 3, *f.* 3. Syrphus intricarius, *Fabr. Sp. Ins.* ii. 426, 22. *Ent. Syst.* iv. 281, 11. *Panz. Faun. Germ.* lix. 11. *Fall. Syrph.* 23, 12. *Zett. Ins. Lapp.* 502, 1. S. bombyliformis, *Fabr. Ent. Syst.* iv. 281, 13. *Syst. Antl.* 227, 12. *Panz.*

Faun. Germ. lix. 12. S. aureus, *Panz. Faun. Germ.* xc. 20. Volucella intricaria, *Schrank, Faun. Boic.* iii. 2479.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

ERISTALIS Nemorum, *Fabr. Syst. Antl.* 234, 10. *Meig. Dipt.* iii. 394, 16. *Macq. Hist. Nat. Dipt.* i. 502, 5. Musca Nemorum, *Linn. Syst. Nat.* ii. 984. *Faun. Suec.* 1797. *Gmel. Ed. Syst. Nat.* v. 2869, 30. *Schrank, Ins. Austr.* 903. *Berk. Syn.* i. 163. *Stew, El.* ii. 264. *Turt.* iii. 640. M. Lyra, *Harr. Ex.* 42, *pl.* 10, *O.* 3, *f.* 5. Musca, &c., *Reaum. Ins.* iv. *pl.* 31, *f.* 8. *Geoff. Ins.* ii. 511, 36. Syrphus Nemorum, *Fabr. Sp. Ins.* ii. 414, 13. *Ent. Syst.* iv. 285, 25. *Zett. Ins. Lapp.* 503, 5. Volucella Nemorum, *Schrank, Faun. Boic.* iii. 2478. Elophilus Nemorum, *Latr. Gen. Crust.* iv. 324.

a. England.
b. France.

ERISTALIS Arbustorum, *Fabr. Syst. Antl.* 236, 17. *Meig. Dipt.* iii. 395, 17. *Macq. Hist. Nat. Dipt.* i. 503, 7. Musca Arbustorum, *Linn. Syst. Nat.* ii. 984. *Faun. Suec.* 1798. *Gmel. Ed. Syst. Nat.* v. 2869, 31. *Schrank, Faun. Boic.* iii. 2428. M. horticola, var. *Deg. Ins.* vi. 60, 5. M. cinctos, *Harr. Ex.* 43, *pl.* 10, *O.* 3, *f.* 6. Syrphus Arbustorum, *Fabr. Sp. Ins.* ii. 424, 15. *Ent. Syst.* iv. 286, 30. *Panz. Faun. Germ.* xiv. 22. *Fall. Syrph.* 25, 15. *Zett. Ins. Lapp.* 593, 6. Elophilus Arbustorum, *Latr. Gen. Crust.* iv. 324.

a. England.
b. France.

ERISTALIS horticola, *Meig. Dipt.* iii. 396, 18. *Macq. Hist. Nat. Dipt.* i. 503, 8. Musca horticola, *Deg. Ins.* vi. 60, 5, *pl.* 8, *f.* 12. M. lineatus? *Harr. Ex.* 42, *pl.* 10, *O.* 3, *f.* 4. Eristalis flavicinctus, *Fabr. Syst. Antl.* 232, 5. Syrphus flavicinctus, *Fall. Syrph.* 24, 13.

a. England.
b. Finmark? From Mr. Children's collection.
c. ——— ? From Mr. Children's collection.

ERISTALIS Rupium, *Fabr. Syst. Antl.* 241, 38. *Meig. Dipt.* iii. 397, 19. *Macq. Hist. Nat. Dipt.* i. 503, 9. Musca paralleli, *Harr. Ex.* 43, *pl.* 10, *O.* 3, *f.* 7. M. lineolæ (var. ?), *Harr. Ex.* 58, *pl.* 15, *f.* 10. Syrphus cryptarum, *Panz. Faun. Germ.* xc. 18. S. piceus, *Fall. Syrph.* 24, 14.

a. England.

ERISTALIS flavipes, *Barnston's MSS.*, mas. et fem. *Niger, pilis fulvis vestitus, abdomine nigro hirto, basi lateribus fulvo fasciculatis, antennis piceis, pedibus nigris, tarsis anticis piceis intermediis fulvis posticis rufis, alis subfuscis disco nigro-fuscis apice limpidis.*

Body black: head clothed with pale tawny hairs: mouth black: feelers pitchy; bristle ferruginous, feathered, black towards the tip: eyes bronzed or pitchy; each with a stripe of short black hairs; all the facets very small: chest and breast very thickly clothed with pale tawny hairs: abdomen short-obconical, much broader and a little longer than the chest, clothed with black hairs, adorned on each side of the tip with a tuft of pale tawny hairs: legs black, clothed with short black hairs; foot-cushions tawny; claws black, tawny at the base; fore feet pitchy; middle feet tawny, with black tips; hind feet pale red, with black tips: wings of the male colourless; wings of the female tinged with brown from the base to the middle, where they are dark brown, colourless thence to the tips; wing-ribs and veins pitchy, the latter ferruginous towards the base; poisers tawny. Length of the body 5—6 lines; of the wings 10—12 lines.

Var. β. *Thorace flavo-piloso, abdomine fulvo piloso basique pilis flavis vestito, pedibus nigris, tarsis posticis fulvis.* Chest and sides of the breast very thickly clothed with yellow hairs: back of the abdomen very thickly clothed with bright tawny hairs, and at the base with pale yellow hairs: legs black; four front feet dull tawny beneath; hind feet bright tawny, with black tips.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

ERISTALIS floreus, *Fabr. Syst. Antl.* 233, 9. *Meig. Dipt.* iii. 399. 21. *Macq. Hist. Nat. Dipt.* i. 504, 10. Musca florea, *Linn. Syst. Nat.* ii. 984. *Faun. Suec.* 1796. *Gmel. Ed. Syst. Nat.* v. 2868, 29. *Deg. Ins.* vi. 46, 2, *pl.* 6, *f.* 2. *Schrank, Faun. Boic.* iii. 2426. *Schæff. Icon. pl.* 54, *f.* 11. *Stew, El.* ii. 264. *Turt.* iii. 639. M. ablectus, *Harr. Ex.* 41, *pl.* 10, 3, *f.* 2. M. Atropos, *Gmel. Ed. Syst. Nat.* v. 2880, 383. *Schrank, Ins. Austr.* 904. Syrphus floreus, *Fabr. Sp. Ins.* ii. 423, 11. *Ent. Syst.* iv. 283, 20. *Panz. Faun. Germ.* xli. 21. *Fall. Syrph.* 30, 25. Elophilus floreus, *Latr. Gen. Crust.* iv. 324.

a. England.
b. France.
c. Ukraine. Presented by Dr. Dowler.
d. Albania. Presented by W. W. Saunders, Esq.
e. ———? From Mr. Children's collection.

VOLUCELLA, *Geoffroy.*

VOLUCELLA bombylans, *Schrank, Faun. Boic.* iii. 2473. *Latr. Gen. Crust.* iv. 322. *Meig. Dipt.* iii. 402, 1. *Zeller, Ent. Zeit. Stettin*, iii. 65. *Erichson, Ent. Zeit. Stettin*, iii. 113. *Macq. Hist. Nat. Dipt.* i. 493, 1. *Guér. Icon. Regn. Anim. Ins. pl.* 99, *f.* 1. *Zett. Ins. Lapp.* 591, 3. Musca bombylans, *Linn. Syst. Nat.* ii. 983. *Faun. Suec.* 1792. *Gmel. Ed. Syst. Nat.* v. 2867, 25. *Schæff. Icon. pl.* 10, *f.* 7. *Harr. Ex.* 40, *pl.* 10, *f.* 3. *Harr. Ex.* 39, *pl.* 10, *f.* 1. *Ins.* v. 23, *pl.* 151, *f.* 4. *Stew, El.* ii. 264. *Don. Brit. Ins.* xiv. 15, *pl.* 471. *Turt.* iii. 637, var.? M. melanopyrrha, *f.* 1. *Stew, El.* ii. 264. *Turt.* iii. *Forst. Curt.* i. 98. *Stew, El.* ii. 258. *Turt.* iii. 604. M. plumata, *Deg. Ins.* vii. 58, *pl.* 8, *f.* 4—9. M. mystacea, *p.* 37. M. plumosa, *Gmel. Ed. Syst. Nat.* v. 2867, 333. Syrphus bombylans, *Fabr. Sp. Ins.* ii. 421, 1. *Ent. Syst.* iv. 279, 4. *Syst. Antl.* 224, 4. *Panz. Faun. Germ.* viii. 21. *Fall. Syrph.* 18, 3.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Var. Volucella hæmorrhoidalis, *Dalman, Zett. Ins. Lapp.* 591, 2.

VOLUCELLA plumata, *Latr. Gen. Crust.* iv. 322. *Meig. Dipt.* iii. 402, 2. *Macq. Hist. Nat. Dipt.* i. 494. *Zett. Ins. Lapp.* 591, 3. Musca, &c., var. *Linn. Faun. Suec.* 1793. M. mystacea, *Gmel. Ed. Syst. Nat.* v. 2867, 26. *Schell. Gen. Mouch. pl.* 8, *f.* 1. M. plumata, *Deg. Ins.* vi. 58, 2, *pl.* 8, *f.* 4—9. Syrphus mystaceus, *Fabr. Sp. Ins.* ii. 421, 2. *Ent. Syst.* iv. 279, 5. *Syst. Antl.* 224, 5. *Panz. Faun. Germ.* viii. 22. Volucella mystacea, *Schrank, Faun. Boic.* iii. 2474. V. apiaria, *Schrank, Faun. Boic.* iii. 2475. Syrphus plumatus, *Fall. Syrph.* 17, 2.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

VOLUCELLA pellucens, *Schrank, Faun. Boic.* iii. 2481. *Latr. Gen. Crust.* iv. 322. *Meig. Dipt.* iii. 404, 3. *Macq. Hist. Nat. Dipt.* i. 493, 2. *Zett. Ins. Lapp.* 591, 4. Musca pellucens, *Linn. Faun. Suec.* 1826. *Gmel. Ed. Syst. Nat.* v. 2838, 62. *Deg. Ins.* vi. 27, 1, *pl.* 3, *f.* 1—3. *Herbst, Germ. Nat.* viii. *pl.* 340, *f.* 4. *Schrank, Ins. Austr.* 920. *Fabr. Sp. Ins.* ii. 435, 2. *Berk. Syn.* i. 164. *Stew, El.* ii. 257. *Turt.* iii. 637. *Shaw, Gen. Zool.* vi. 385. *Rem. Linn. Gen.* 31, *pl.* 6. Syrphus pel-

lucens, *Fabr. Ent. Syst.* iv. 279, 3. *Syst. Antl.* 244, 3. *Panz. Faun. Germ.* i. 17. *Fall. Syrph.* 19, 5. S. putescens, *Schell. Gen. Mouch. pl.* 8, *f.* 2. Volucella, &c., *Geoff. Ins.* ii. 440, 1.

a. England.
b. France.
c. South of France. Presented by F. Walker, Esq.
d. ——— ? From Mr. Children's collection.

Volucella inflata, *Meig. Dipt.* iii. 405, 4, *pl.* 32, *f.* 28. *Macq. Hist. Nat. Dipt.* i. 493. *Curt. Brit. Ent.* 452. Syrphus inflatus, *Fabr. Ent. Syst.* iv. 280, 8. *Syst. Antl.* 226, 8. Volucella dryophila, *Schrank, Faun. Boic.* iii. 2476.

a. England.
b. France.

Volucella zonaria, *Meig. Dipt.* iii. 406, 5, *pl.* 32, *f.* 27. *Macq. Hist. Nat. Dipt.* i. 492, 1. *Schmitt. Ent. Zeit. Stettin*, iii. 18. Musca, &c., *Reaum. Ins.* iv. *pl.* 33, *f.* 15. *Schæff. Icon. pl.* 80, *f.* 1. M. zonaria, *Schrank, Ins. Austr.* 921. Syrphus inanis, *Fabr. Ent. Syst.* iv. 278. *Syst. Antl.* 223, 1.

a. Clermont. Presented by the Entomological Club.
b. Clermont. Presented by F. Walker, Esq.
c. France.
d. Albania. Presented by E. Doubleday, Esq.
e. Albania. Presented by W. W. Saunders, Esq.
f. Albania. Presented by F. Walker, Esq.
g. Martigny. Presented by F. Walker, Esq.
h. Malaga. Presented by Benjamin Frend, Esq.

Volucella inanis, *Latr. Gen. Crust.* iv. 322. *Cons. Gén.* 443. *Meig. Dipt.* iii. 407, 6. *Macq. Hist. Nat. Dipt.* i. 492. Musca inanis, *Linn. Faun. Suec.* 1825. *Gmel. Ed. Syst. Nat.* v. 2837, 61. *Fabr. Sp. Ins.* ii. 435, 1. *Schæff. Icon. pl.* 36, *f.* 7, 8. *Berk. Syn.* i. 164. ? *Don. Brit. Ins.* xxiv. 59, *pl.* 490, *f.* 1. *Stew, El.* ii. 257. *Turt.* iii. 636. *Sam. Ent. Comp.* 71, *pl.* 9, *f.* 3. M. annulatus, *Harr. Ex.* 40, *pl.* 10, *f.* 4. M. apivora, *Deg. Ins.* vi. 28, 3, *pl.* 3, *f.* 4. M. trifasciata, *Schrank, Ins. Austr.* 919. Syrphus micans, *Fabr. Ent. Syst.* iv. 278, 2. *Syst. Antl.* 224, 2. S. inanis, *Panz. Faun. Germ.* ii. 6. *Fall. Syrph.* 19, 6.

a. England.
b. Albania. Presented by F. Walker, Esq.
c. ——— ? From Mr. Children's collection.

VOLUCELLA metallifera, n. s., fem. *Cano-purpurea, capite piceo trisulcato, antennis ferrugineis, pedibus nigris, alis limpidis basi et ad costam nigro-fuscis fulvoque variis.*

Body purple, covered with a very slight hoary bloom: head pitchy, clothed behind with whitish down, with three furrows between the eyelets and the feelers, prominent in front, and adorned on each side with whitish down: mouth black: feelers ferruginous; bristle deeply feathered: eyes pitchy; all the facets very small: chest thinly clothed with very short tawny hairs: abdomen short-obconical, broader but not longer than the chest; hairs at the tip rather longer and more numerous than elsewhere: legs black, clothed with short black hairs; foot-cushions pale tawny; claws black: wings colourless, blackish brown at the base and along the fore border for nearly half the breadth, and for more than half the length; disk of the dark part tawny here and there; veins slightly clouded with brown along the rest of the fore border and at the tip; wing-ribs pitchy; veins black; fore border veins tawny in the colourless part of the wing; poisers pale tawny. Length of the body 7 lines; of the wings 15 lines.

a. Venezuela. From Mr. Dyson's collection.
b. Mexico. Presented by E. P. Coffin, Esq.

VOLUCELLA esuriens, *Wied. Auss. Zweif.* ii. 197, 4. Syrphus esuriens, *Fabr. Ent. Syst.* iv. 281, 10. *Syst. Antl.* 226, 9.
a. ———? From Mr. Children's collection.

VOLUCELLA adjuncta, n. s., mas. et fem. *Ferruginea, thorace purpureo, antennis pedibusque ferrugineis, tarsis apice femoribusque piceis, alis limpidis ad costam subfulvis, nervis transversis basi fusco nebulosis.*

Nearly allied to *V. esuriens*. Body smooth and shining: head ferruginous: eyes pitchy; facets on the fore part of the crown rather larger than those elsewhere: feelers ferruginous: chest purple, ferruginous towards the tip: abdomen ferruginous: legs ferruginous, clothed with short black hairs; thighs and tips of feet pitchy; claws black; foot-cushions tawny: wings colourless, slightly tawny along the fore border towards the base; cross-veins adjoining the tawny part clouded with brown; wing-ribs and veins pitchy; poisers pale yellow. Length of the body 5½—6 lines; of the wings 12—13 lines.

a. ———? From Mr. Children's collection.

VOLUCELLA spinigera, *Wied. Auss. Zweif.* ii. 197, 5.
a. South America. From Mr. Warwick's collection.

VOLUCELLA purpurea, n. s., mas. *Cupreo-purpurea, capite fulvo, pectore abdominis basi ventreque ferrugineis, antennis fulvis, pedibus ferrugineis, alis cinereo-fulvis disco fuscis.*

Head tawny, prominent in front: feelers tawny; bristle deeply feathered: eyes bronzed, partly pitchy; facets on the fore part of the crown larger than those elsewhere: chest coppery purple, covered with tawny down, beset on each side and behind with a few black bristles: breast ferruginous, slightly bronzed: abdomen short-obconical, coppery purple, tawny at the base, a little broader but not longer than the chest; underside ferruginous, slightly bronzed: legs dull ferruginous, clothed with short black hairs; foot-cushions tawny; claws black, ferruginous at the base: wings grayish tawny, with a large brown spot on the fore border occupying half the breadth of the wing, extending to the hind border along one of the veins, and accompanying the fore border nearly to the tip; wing-ribs and veins pitchy; veins ferruginous towards the base; poisers dull tawny, with whitish knobs. Length of the body 4½ lines; of the wings 9 lines.

a. Para. Presented by Reginald Graham, Esq.

VOLUCELLA obesa, *Wied. Auss. Zweif.* ii. 199, 8. *Macq. Hist. Nat. Dipt.* i. 494, 5. Syrphus obesus, *Fabr. Ent. Syst.* iv. 763, 5. *Ent. Syst.* iv. 282, 15. *Syst. Antl.* 227, 14. Ornidia obesa, *St. Farg. et Serv. Encyl.* x. 786. *Walk. Linn. Trans.* xvii. 346, 41.

a. Isle of France.
b. Surinam.
c. Jamaica.
d. Brazil.
e. Carthagena.
f. Brazil. Presented by Sir C. Stewart.
g. Honduras. Presented by Sir C. Stewart.
h. Jamaica. From Mr. Gosse's collection.
i. Brazil. From Mrs. Noel's collection.
j. ——— ? From Mr. Children's collection.
k. ——— ?

VOLUCELLA vacua, *Wied. Auss. Zweif.* ii. 202, 13. Syrphus vacuus, *Fabr. Ent. Syst.* 763, 4. *Ent. Syst.* iv. 281, 14. *Syst. Antl.* 227, 13.

a. Florida. Presented by E. Doubleday, Esq.
b. Georgia. From Mr. Abbot's collection.
c. South America.
d. ——— ? From Mr. Children's collection.

Fam. XV. Platypezinæ.

Platypeza, *Meigen.*

Group I. *Meig. Dipt.* iv. 5, *pl.* 33, *f.* 10, *a.*

Platypeza boletina, *Fall. Platyp.* 4, 1. *Meig. Dipt.* iv. 5, 1. *Macq. Hist. Nat. Dipt.* ii. 18, 4.
a. France.

Platypeza fasciata, *Panz. Faun. Germ.* 103, 20. *Meig. Dipt.* iv. 6, 2. *Macq. Hist. Nat. Dipt.* ii. 7, 1. *Zett. Ins. Lapp.* 529, 1. Dolichopus fasciatus, *Fabr. Syst. Antl.* 271, 22. *Latr. Gen. Crust.* iv. 292. *Lam. Anim. sans Verteb.* iii. 424, 1.
a. England.

Platypeza atra, *Fall. Platyp.* 6, 3. *Meig. Dipt.* iv. 7, 4. *Macq. Hist. Nat. Dipt.* ii. 18, 7. *Zett. Ins. Lapp.* 529, 3.
a. France.

Group II. *Meig. Dipt.* iv. 7.

Platypeza picta, *Meig. Dipt.* vi. 358, 9.
a. England. Presented by F. Walker, Esq.

Callomyia, *Meigen.*

Callomyia elegans, *Panz. Faun. Germ.* ciii. 18, 19. *Meig. Dipt.* iv. 11, 1. *Macq. Hist. Nat. Dipt.* ii. 19, 1, *pl.* 13, *f.* 8. *Zett. Ins. Lapp.* 531, 3. Dolichopus elegans, *Fabr. Syst. Antl.* 271, 21. *Latr. Gen. Crust.* iv. 292. *Lam. Anim. sans Verteb.* iii. 425, 3. C. leptiformis, mas., *Fall. Platyp.* 6, 1.
a. England.

Callomyia elegantula, *Fall. Platyp.* 7, 2. *Meig. Dipt.* iv. 13, 3.
a. France.

Callomyia leptiformis, *Fall. Platyp.* 6, 1. *Zeit. Act.* 6. *Holm.* 1819, 1, 78, 31. Var. *a. Ins. Lapp.* 530, 1. *Meig. Dipt.* iv. 13, 4. *Macq. Hist. Nat. Dipt.* ii. 20, 3. C. socia, *Wied. Zool. Mag.* i. 69, 13.
a. France.

CALLOMYIA speciosa, *Meig. Dipt.* iv. 14, 6. *Macq. Hist. Nat. Dipt.* ii. 20, 4. *Zett. Ins. Lapp.* 530, 2. C. leptiformis, var. *b. Zett. Act. Holm.* 1819, 1, 79.
a. England. Presented by F. Walker, Esq.

CALLOMYIA antennata, *Fall. Kongl. Vet. Acad. Handl.* 1819. *St.* 1, 79, 32. *Meig. Dipt.* iv. 15, 7. *Macq. Hist. Nat. Dipt.* ii. 20, 5.
a. England. Presented by F. Walker, Esq.

Fam. XVI. MEGACEPHALI.

PIPUNCULUS, *Latreille.*

* *Ent. Mag.* ii. 264.

PIPUNCULUS maculatus, *Walk. Ent. Mag.* ii. 264, 1. P. lateralis, *Macq. Hist. Nat. Dipt.* ii. 11, 8. P. annulipes, *Zett. Ins. Lapp.* 580, 7.
a. England. Presented by F. Walker, Esq.

PIPUNCULUS reipublicæ, n. s. *Niger, abdomine nigro-cænèo, antennis pedibusque fulvis, femoribus basi nigro fasciatis, alis limpidis.*

Body black, hardly shining: eyes red: feelers tawny; bristle black: abdomen brassy black, convex, thinly clothed with white down: legs tawny; a black band at the base of each thigh: wings colourless; wing-ribs tawny; veins black, tawny towards the base; poisers pale yellow. Length of the body 1⅓ line; of the wings 1¾ line.

a. New York. Presented by the Entomological Club.

PIPUNCULUS sylvaticus, *Meig. Dipt.* iv. 20, 3. *Walk. Ent. Mag.* ii. 265, 2. *Macq. Hist. Nat. Dipt.* ii. 10, 5. *Zett. Ins. Lapp.* 579, 5.
a. England. Presented by F. Walker, Esq.

PIPUNCULUS geniculatus, *Meig. Dipt.* iv. 20, 2. *Walk. Ent. Mag.* ii. 265, 3. *Macq. Hist. Nat. Dipt.* ii. 10, 4. *Zett. Ins. Lapp.* 579, 4.
a. England. Presented by F. Walker, Esq.

† *Ent. Mag.* ii. 266.

PIPUNCULUS flavipes, *Meig. Dipt.* iv. 21, 5. *Walk. Ent. Mag.* ii. 266, 4.
a. England. Presented by F. Walker, Esq.
b. France.

PIPUNCULUS pratorum, *Meig. Dipt.* iv. 22, 7. *Walk. Ent. Mag.* ii. 266, 5. *Macq. Hist. Nat. Dipt.* ii. 11, 7. *Curt. Brit. Ent.* 757. *Zett. Ins. Lapp.* 579, 1. Cephalops pratorum, *Fall. Syrph.* 15, 1.
a. England.
b. England. Presented by F. Walker, Esq.

PIPUNCULUS campestris, *Latr. Hist. Nat. Crust.* xiv. 392. *Gen. Crust.* iv. 332. *Cons. Gén.* 444. *Leach, Edin. Encycl.* x. 130. *Meig. Dipt.* iv. 19, 1. *Guér. Icon. Reg. Anim. Ins. pl.* 96, *f.* 7. *Walk. Ent. Mag.* ii. 267, 6. *Macq. Hist. Nat. Dipt.* ii. 10, 3, *pl.* 13, *f.* 5.
a. England.
b. England. Presented by F. Walker, Esq.
c. France.

†† *Ent. Mag.* ii. 267.

PIPUNCULUS modestus, *Haliday, Ent. Mag.* i. 162. *Walk. Ent. Mag.* ii. 267, 7.
a. England. Presented by F. Walker, Esq.

PIPUNCULUS ruralis, *Meig. Dipt.* iv. 22, 8. *Walk. Ent. Mag.* ii. 268, 8. *Macq. Hist. Nat. Dipt.* ii. 11, 10.
a. England. Presented by F. Walker, Esq.

** *Meig. Dipt.* iv. 23. *Ent. Mag.* ii. 269.

PIPUNCULUS auctus, *Meig. Dipt.* iv. 23, 10. *Walk. Ent. Mag.* ii. 269, 9. *Macq. Hist. Nat. Dipt.* ii. 9, 2. Cephalops auctus. *Fall. Syrph.* 61, 1, 2.
a. England. Presented by F. Walker, Esq.

CHALARUS, *Walker.*

CHALARUS spurius, *Walk. Ent. Mag.* ii. 269, 1. Cephalops spurius, *Fall. Syrph.* 16, 3. Pipunculus spurius, *Meig. Dipt.* iv. 24, 12. *Zett. Ins. Lapp.* 580, 8. Atelenevra velutina, *Macq. Hist. Nat. Dipt.* ii. 12, 1, *pl.* 13, *f.* 6.
a. England. Presented by F. Walker, Esq.

CHALARUS holosericeus, *Walk. Ent. Mag.* ii. 270, 2. Pipunculus holosericeus, *Meig. Dipt.* iv. 24, 12. P. exiguus, *Hal. Ent. Mag.* i. 162. P. obscurus? *Zett. Ins. Lapp.* 580, 9. Atelenevra holosericea, *Macq. Hist. Nat. Dipt.* ii. 13, 2.
a. England. Presented by F. Walker, Esq.

Fam. XVII. DOLICHOPODES.

RHAPHIUM, *Meigen.*

RHAPHIUM longicorne, *Meig. Dipt.* iv. 28, 1. *Zett. Ins. Lapp.* 703, 1. *Macq. Dipt. Nord.* 51, 1. *Hist. Nat. Dipt.* i. 440, 1.
a. England.

RHAPHIUM caliginosum, *Meig. Dipt.* iv. 29, 4, *pl.* 9, *f.* 18. *Macq. Hist. Nat. Dipt.* i. 440, 3. *Zett. Ins. Lapp.* 703, 2. Hydrochus laticornis, *Fall. Dolich.* 6, 3, var. *c.*
a. England.

MACHÆRIUM, *Haliday.*

MACHÆRIUM maritimum, *Haliday, Zool. Journ.* v. 352, 1, *pl.* 15, *f.* 11, 12.
a. England. Presented by F. Walker, Esq.

DIAPHORUS, *Meigen.*

DIAPHORUS oculatus, *Zett. Ins. Lapp.* 706, 1. D. flavocinctus, *Meig. Dipt.* iv. 33, 1, vi. 360. *Macq. Dipt. Nord.* 22, 1, *pl.* 1, *f.* 3. D. Hoffmanseggii, *Meig.* vi. 5. *Macq. Hist. Nat. Dipt.* i. 448, 1. D. bimaculata, var.? *Macq. Hist. Nat. Dipt.* i. 448, 2, *pl.* 9, *f.* 11. Dolichopus oculatus, *Fall. Dolich.* 28, 22.
a. England.

PSILOPUS, *Megerle.*

PSILOPUS platypterus, *Meig. Dipt.* iv. 36, 2. *Macq. Dipt. Nord.* 24, 1, *pl.* 1, *f.* 4. *Hist. Nat. Dipt.* i. 448, 1, *pl.* 10, *f.* 23. Dolichopus platypterus, *Fabr. Syst. Antl.* 270, 20. Leptopus tipularius, *Fall. Dolich.* 23, 1. Psilopus tipularius, *Zett. Ins. Lapp.* 714, 1.
a. England.

Psilopus contristans, *Meig. Dipt.* iv. 37, 4. *Macq. Hist. Nat. Dipt.* i. 449, 3. Dolichopus contristans, *Wied. Zool. Mag.* i. 72, 19.
a. England.

Psilopus lugens, *Meig. Dipt.* iv. 38, 6. *Macq. Hist. Nat. Dipt.* i. 449, 5.
a. England.

Psilopus equestris, *Wied. Auss. Zweif.* ii. 214, 3. Musca equestris, *Fabr. Syst. Ent.* 782, 50. *Ent. Syst.* iv. 340, 119. Dolichopus equestris, *Fabr. Syst. Antl.* 268, 7.
a. Brazil.

Psilopus sipho, *Wied. Auss. Zweif.* ii. 218, 9. *Macq. Dipt. Exot.* ii. 119, 11, *pl.* 21, *f.* 1. Dolichopus sipho, *Say, Journ. Acad. Philad.* iii. 84, 1.
a. Massachusetts. From Prof. Sheppard's collection.

Psilopus diffusus? *Wied. Auss. Zweif.* ii. 221, 17.
a. Trenton Falls. Presented by E. Doubleday, Esq.

Psilopus cælestis, n. s. mas. *Viridissimus, capite cyaneo purpureoque vario, abdominis lateribus cupreo vittatis, antennis pedibusque flavis, tarsis fulvis, alis limpidis ad costam fuscis.*

Body intense green: head bright bluish green, varied with purple, golden green in front, much broader than the chest: eyes red: mouth pale tawny: feelers pale yellow; bristle black, longer than the body, with a knob at the tip: sides of the chest and breast covered with white bloom: abdomen with a bright copper stripe along each side; appendages tawny: legs pale yellow, adorned with parallel rows of very short black bristles, and clothed with longer hairs and bristles; feet dark tawny, pitchy towards the tips: wings colourless, dark brown along the fore border, paler, and including a colourless streak on the disk; wing-ribs and poisers tawny; veins black. Length of the body 3¼ lines; of the wings 6½ lines.
a. East Indies. From Archdeacon Clerk's collection.

Psilopus smaragdinus, n. s. *Viridissimus, capite purpureo-cyaneo, abdomine subtus æneo, antennis nigris, pedibus fulvis, tarsis posticis femoribusque nigris, alis fuscis ad costam fulvo maculatis, marginibus posticis apicibus vittisque nonnullis limpidis.*

Body intense emerald green: head clothed with white hairs beneath, and with white down in front; crown of the head bright purplish blue: eyes bright red: mouth and feelers black, the latter

a little longer than the head and the chest: chest and abdomen beset with long black bristles: breast and abdomen covered with white bloom: abdomen brassy beneath: legs tawny, clothed with a few black hairs and bristles, adorned with parallel rows of very minute black bristles; thighs black; four front thighs tawny towards the tips; tips of feet pitchy; hind feet black: wings brown; a pale yellowish spot on the middle of the fore border; hind borders, tips, and some streaks on the disk colourless; wing-ribs and veins black; poisers pitchy. Length of the body 3 lines; of the wings 7 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Psilopus Cupido, n. s., mas. *Purpureus, capite viridi bimaculato, thoracis vittis tribus viridibus, abdominis lateribus cyaneo-viridibus, antennis pedibusque fulvis, alis limpidis ad costam fulvis, fuscoque bimaculatis.*

Body beset with black hairs and bristles: head bright purple, not broader than the chest, covered in front, behind and beneath with silvery down, adorned with a green spot on each side of the crown: eyes red: mouth tawny: feelers tawny; bristle black, shorter than the body: chest bluish purple, adorned with three green stripes; sides and breast covered with silvery bloom: abdomen purple, bluish green on each side, coppery green beneath: legs tawny, clothed with black hairs and bristles; feet dark tawny, pitchy towards the tips: wings colourless, tawny, with two brown marks along the fore border for more than half the length; beyond this are two brown bands joined together on the fore border; the second band is very broad, but does not join the hind border nor the tip of the wing; wing-ribs and veins tawny, the latter pitchy towards the tips; poisers tawny. Length of the body 2¼ lines; of the wings 5 lines.

a. East Indies. From Archdeacon Clerk's collection.

Psilopus carus, n. s., fem. *Viridis, cyaneo purpureoque varius, antennis nigris, pedibus fulvis, alis albidis apicem versus fuscis, nervis transversis fusco nebulosis.*

Body beset with black hairs and bristles: head bluish green and tinged with purple on the crown, golden green and covered with white down in front: eyes bright red: mouth tawny: feelers black: chest bright green, striped with blue and purple; sides and breast covered with silvery bloom: abdomen bluish green, covered beneath with silvery bloom: legs pale tawny, thinly clothed

white hairs and bristles; feet darker: wings whitish, brown towards the tips of the fore borders; cross-veins clouded with brown; wing-ribs and poisers tawny: veins pitchy. Length of the body 2 lines; of the wings 4 lines.

a. Congo. Presented by Sir. J. Richardson.

PSILOPUS gemmeus. *Purpureus, viridi cupreoque varius, antennis nigris, pedibus fulvis, femoribus nigris, alis fuscis subfusco variis, apicibus marginibusque posticis limpidis.*

Head bright purple, green in front and on each side of the crown: eyes red: mouth tawny: feelers black: chest green, purple on the disk, beset with long black bristles: abdomen bluish purple on the back, green, and varied with copper-colour on each side and beneath, beset with long black hairs and bristles, covered with whitish bloom, which is visible horizontally, more than twice the length of the chest; tip black: legs tawny, adorned with rows of very small black spines; hips green, clothed like the breast with white bloom; thighs black, clothed with a few white hairs towards the base; shanks armed with a few black bristles, which increase in length from the base to the tip; feet pitchy towards the tips; hind legs very long; hind feet armed with very long black bristles, their tips clothed with short black hairs: wings brown, mottled with paler colour, colourless along the hind borders and at the tips; wing-ribs and poisers pitchy; veins black. Length of the body 3 lines; of the wings 6 lines.

a. Africa.

PSILOPUS gemmans, n. s. *Aureo-viridis, thorace cyaneo vittato, abdomine basi cyaneo apice cupreo, antennis nigris, pedibus viridibus, tarsis nigris, alis subcinereis.*

Body golden green, beset with black bristles: head adorned with a bluish purple spot between the feelers and the mouth; eyes bright red: mouth pitchy: feelers black; bristle nearly as long as the chest: chest adorned with indistinct bluish stripes: abdomen blue at the base, bright copper-colour towards the tip: legs green, clothed with short black hairs; thighs furnished with long black hairs; feet black: wings slightly gray; wing-ribs and veins black; poisers pitchy. Length of the body $2\frac{1}{4}$ lines; of the wings $4\frac{1}{2}$ lines.

a. West Australia. From Mr. Clifton's collection.

PSILOPUS gemmarius, n. s., mas. *Cyaneo-viridis, capite purpureo, thoracis lateribus pectoreque albo-flavis, abdomine viridi nigro fasciato, basi fulvo, antennis nigris basi flavis, capite thoraceque longioribus, pedibus albo-fulvis, tarsis apice nigris, alis subfulvis.*

Head covered with white down, shining and bright bluish purple on the crown: eyes pitchy; facets on the fore part of the crown larger than those elsewhere: mouth pale yellow: feelers black, pale yellow at the base, longer than the head and the chest: disk of the chest bluish green, armed with a few black bristles; sides and breast pale yellow, with a whitish tinge: abdomen green, clothed with black hairs, more slender than the chest, and about four times its length, tawny at the base, black at the tip; a broad black band along the fore border of each segment: legs whitish, tawny, long and slender, clothed with black hairs and bristles; feet black towards the tips: wings slightly tawny, brown at the tips of the fore borders; wing-ribs tawny; veins black; poisers pale tawny. Length of the body 5 lines; of the wings 7½ lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

PSILOPUS delicatus, n. s., fem. *Viridis, gracilis, abdomine aureo-viridi, antennis fulvis, articulo 3° nigro, pedibus flavis, alis limpidis.*

Body slender, bright green, clothed with black hairs and bristles: crown of the head blue: eyes bright red: mouth yellow: feelers tawny; third joint black; bristle black, shorter than the chest: abdomen golden green: legs pale yellow, long and slender, clothed with short black hairs; feet pitchy towards the tips: wings colourless; wing-ribs and poisers tawny; veins pitchy. Length of the body 2¼ lines; of the wings 5 lines.

a. New York. Presented by the Entomological Club.
b. New York. Presented by E. Doubleday, Esq.

PSILOPUS corculum, n. s., mas. *Viridis, capitis vertice cyaneo-purpureo, scutello cyaneo, abdominis basi purpureo-cyaneo apice cupreo-viridi, antennis nigris, femoribus viridibus, tibiis fulvis, tarsis piceis, alis limpidis, fusco bifasciatis.*

Body bright green, beset with black hairs and bristles: head bright bluish purple on the crown, clothed with white down in front, and with white hairs beneath: eyes red: mouth tawny: feelers black; bristle nearly as long as the chest: scutcheon blue; sides of the chest and breast covered with white bloom: abdomen bright purplish blue for half the length from the base, bright coppery green from thence to the tip: legs clothed with black hairs and

bristles; hips and thighs green; hips covered with a white bloom; thighs fringed with white hairs; shanks pale tawny; feet pitchy: wings colourless, with two brown bands which are joined together on the fore border, and extend thence to the tip of the wing but do not reach the hind border; wing-ribs pitchy; veins black; poisers pitchy, with yellow knobs. Length of the body 2¼ lines; of the wings 4 lines.

a. Brazil. Presented by J. P. George Smith, Esq.

Psilopus gemmifer, n. s., mas. *Viridis, cyaneo purpureoque varius, antennis nigris, pedibus flavis, alis limpidis, costa apicem versus nervisque transversis fusco-nebulosis.*

Body bright green, beset with black hairs and bristles: head covered in front with silvery down: eyes red: mouth tawny: feelers black, as long as the head and the chest, disk of the chest bluish green, tinged with purple; scutcheon purple; sides and breast covered with silvery bloom: abdomen slender; tip bluish purple; appendages dark tawny: legs yellow, beset with black hairs and bristles, which are most thick on the feet; four hinder hips green; thighs clothed with white hairs; feet towards the tips and hind feet pitchy: wings colourless, clouded with pale brown towards the tips of the fore borders and along the cross-veins; wing-ribs tawny; veins black; poisers tawny. Length of the body 2½ lines; of the wings 5½ lines.

a. Trenton Falls. Presented by E. Doubleday, Esq.

Psilopus chrysoprasi, n. s. *Aureo-viridis, capitis vertice purpureo-cyaneo, scutello abdominisque basi purpureis, abdominis segmentorum suturis æneo-purpureis, antennis nigris, pedibus piceis, femoribus viridibus, tibiis anterioribus tarsisque anticis fulvis, alis subcinereis.*

Body golden green, beset with black bristles: head purplish blue on the crown, slightly covered with white down in front: eyes bright red: mouth and feelers black: scutcheon purple: abdomen adorned with purple towards the base; sutures of the segments brassy purple: legs pitchy, thickly clothed with short black hairs; hips and thighs green; hips slightly covered with white bloom; thighs fringed with white hairs; fore shanks pale tawny; middle shanks and fore feet dark tawny: wings slightly gray; wing-ribs and poisers pitchy; veins black. Length of the body 2 lines; of the wings 4½ lines.

a. West Indies. From Mr. Children's collection.

Psilopus amoris, n. s. *Purpureus, viridi varius, abdomine cyaneo-viridi, apice purpureo, antennis nigris, pedibus fulvis, tarsis piceis, alis limpidis fusco bifasciatis.*

Body beset with black bristles: head green, purple on the crown, covered with white down in front: eyes red: mouth tawny: feelers black; bristle shorter than the chest: chest purple; sides and breast green, slightly covered with white bloom: abdomen bright bluish green, with a white bloom beneath, tinged with purple beneath, and at the tip: legs pale tawny, clothed with very short black hairs; four hinder hips green, covered with white bloom; shanks rather darker than the thighs; feet pitchy: wings colourless, adorned with two brown bands, which accompany the cross-veins, but do not reach the hind border, they are joined together in the fore border, and extend thence to the tip; wing-ribs tawny; veins black; poisers yellow. Length of the body 1½ line; of the wings 3 lines.

a. Brazil.

Psilopus gemmatus, n. s. *Cyaneo-viridis, abdomine aureo-viridis basi cyaneo-viridi, antennis nigris, pedibus flavis, alis subcinereis.*

Body bright bluish green, beset with black bristles: head covered in front with white down: eyes bright red: mouth tawny: feelers black; bristle nearly as long as the chest: breast and sides of the chest covered with whitish bloom: abdomen golden green, bluish green at the base: legs pale yellow, clothed with very short black bristles; feet darker, pitchy towards the tips: wings slightly gray; wing-ribs and poisers tawny; veins black; curve of the tip cross-vein unusually slight. Length of the body 2 lines; of the wings 4½ lines.

a. New Zealand. Presented by Dr. Sinclair.

Psilopus metallifer, n. s. *Viridis, capitis vertice purpureo-cyaneo, abdomine cupreo fasciis nigris, antennis pedibusque nigris, femoribus viridibus, alis subcinereis.*

Body bright green, beset with black bristles: head mostly purplish blue on the crown, clothed in front with white down: eyes bright red: mouth dark tawny: feelers black; bristle nearly as long as the chest: breast and sides of the chest covered with white bloom: abdominal segments bright copper-colour on the disks, adorned with broad black bands at the base: legs black, clothed with short black hairs and bristles; hips and thighs green; hips covered with white bloom; thighs fringed with white hairs: wings

slightly gray; wing-ribs and veins black; poisers dark tawny. Length of the body 2¼ lines; of the wings 4½ lines.

a. ———? From Mr. Children's collection.

Psilopus pretiosus, n. s. *Viridis, capite cupreo purpureoque vario, thoracis disco purpureo, abdomine nigro-cupreo, vittis viridi-æneis, antennis nigris, pedibus fulvis, femoribus piceis, alis limpidis, fusco bifasciatis.*

Body beset with black bristles: head coppery green, bluish purple on the crown and towards the mouth: eyes bright red: mouth pitchy: feelers black: chest green, purple on the disk; sides and breast covered with whitish bloom: abdomen coppery black; hind borders of the segments brassy green: legs dark tawny, clothed with short black hairs; hips and thighs pitchy; hips covered with white bloom; thighs clothed with a few whitish hairs; feet pitchy towards the tips: wings slightly gray; fore border from one-third of the length till near the tip adorned with a broad brown stripe, from whence proceed two broad bands which do not reach the hind border; wing-ribs and poisers pitchy; veins black. Length of the body 2¼ lines; of the wings 4½ lines.

a. Brazil.

Psilopus suavium, n. s. *Viridis, capitis vertice cyaneo-purpureo, abdomine apicem versus purpureo, antennis pedibusque nigris, femoribus viridibus, alis limpidis fusco bifasciatis.*

Body bright green, beset with black bristles: head bluish purple on the crown, clothed with white down in front: eyes red: mouth pitchy: feelers black; bristle nearly as long as the chest: breast and sides of the chest covered with a white bloom: abdomen purple towards the tip: legs black, beset with black hairs and bristles; hips and thighs green; hips covered with a white bloom; thighs clothed with white hairs: wings colourless, adorned with two brown bands, which are joined together on the fore border and more slightly on the disk, but do not reach the hind border nor the tip; veins black; wing-ribs and poisers pitchy. Length of the body 2½ lines; of the wings 5 lines.

a. Jamaica. From Mr. Gosse's collection.

Psilopus amatus, n. s., mas. et fem. *Viridis, capite purpureo, abdomine nigro-fasciato apice purpureo, antennis nigris, pedibus piceis, femoribus viridibus, alis subcinereis, costa apicem versus nervisque transversis fusco nebulosis.*

Body bright green, beset with black hairs and bristles: head purple, covered in front with white down; crown of the male

adorned with a green spot on each side: eyes red: mouth and feelers black; bristle a little shorter than the chest: hind part of the chest tinged with blue and purple; sides and breast covered with white down: abdomen at the tip purple in the male, bluish purple in the female; hind borders of the segments in the male adorned with black bands: legs pitchy, beset with black hairs and bristles; hips and thighs green, the former covered with white down: wings slightly gray, indistinctly marked with brown towards the tips of the fore borders and along the cross-veins; wing-ribs pitchy; veins black; poisers of the male pitchy, of the female tawny. Length of the body 1½—1¾ line; of the wings 3¾—4 lines.

a. New York. Presented by E. Doubleday, Esq.
b. Trenton Falls. Presented by E. Doubleday, Esq.

Psilopus quadricolor, n. s. *Viridis, capitis vertice abdominisque basi purpureo-cyaneis, thorace purpureo, antice aureo-viridi, abdominis fasciis nigro-æneis, antennis piceis, femoribus viridibus, tibiis fulvis, tarsis piceis, alis limpidis fusco bifasciatis.*

Body beset with black hairs and bristles: head bright green, purplish blue on the crown, clothed with white down in front: eyes red: mouth pitchy: feelers pitchy; bristle as long as the chest: chest purple, golden green in front; sides and breast covered with white bloom: abdomen bright green, bluish purple towards the base; bronze-black bands occupy the fore borders of the segments and successively increase in breadth, especially on each side from the base to the tip of the abdomen: legs beset with black hairs and bristles; hips and thighs green; shanks tawny; feet pitchy: wings colourless, adorned with two brown bands which are joined together on the fore border, but do not reach the hind border nor the tip of the wing, the second is broader than the first; wing-ribs pitchy; veins black; poisers tawny. Length of the body 1¾ line; of the wings 3½ lines.

a. Brazil.

Psilopus inficitus, n. s. *Viridis, capite purpureo, abdomine purpureo, abdomine purpureo-cyaneo, fasciis nigris, antennis pedibusque nigris, alis subcinereis fusco bifasciatis.*

Head and chest beset with black bristles: head purple, fringed about the mouth with hoary hairs: eyes red: mouth and feelers black; bristle a little longer than the chest: chest green; sides and breast covered with whitish down: abdomen deep purplish blue; sutures of the segments black: legs black, clothed with black hairs

and bristles: wings slightly gray, adorned with two brown bands, which are united on the fore border, but do not reach the hind border; wing-ribs and veins black; poisers pitchy, with tawny knobs. Length of the body 2½ lines; of the wings 5 lines.

a. Mexico. Presented by E. P. Coffin, Esq.

PSILOPUS trigemmans, n. s., mas. *Cyaneo-viridis, capite cyaneo-purpureo, abdomine fulvo, apice viridi-æneo, antennis fulvis, articulo 3° nigro, pedibus fulvis, alis limpidis.*

Body beset with black bristles: head bluish purple, covered with white down: eyes bright red: mouth tawny: feelers black; first and second joints tawny; bristle a little shorter than the chest; chest bluish green; hind part blue; sides and breast covered with white down: abdomen bright brassy green, tawny for more than half the length from the base; appendages tawny: legs pale tawny, clothed with very short black hairs; feet somewhat darker; wings colourless, very indistinct; wing-ribs and poisers tawny; veins brown. Length of the body 1¾ line; of the wings 3½ lines.

a. ——— ?

PSILOPUS nigrofemoratus, *MSS. Cyaneo- aut aureo-viridis, antennis nigris capite duplo longioribus, pedibus nigris tibiis fulvis, alis limpidis.*

Head and chest bright bluish green, armed with black bristles: head covered in front with white down, clothed beneath with white hairs: eyes red: mouth tawny: feelers black, about twice the length of the head: breast and underside of the abdomen covered with white bloom: abdomen golden green, blue at the base, coppery at the tip: legs black, beset with a few black bristles; shanks tawny, with black tips: wings colourless: wing-ribs tawny; veins black; poisers yellow. Length of the body 1¼ line; of the wings 2½ lines.

Var. *β.* Chest golden green, bluish green behind: abdomen coppery green: tips of the thighs and the whole of the shanks tawny.

Var. *γ.* Abdomen bright green or bluish green; a bronze band on the fore border of each segment.

a. North America. Presented by the Entomological Club.
b. Nova Scotia. From Lieut. Redman's collection.

PSILOPUS albicoxa, *MSS.*, mas. et fem. *Cyaneo-aut cupreo-viridis, antennis nigris capite duplo longioribus, pedibus flavis, tarsis posticis nigris, alis subcinereis.*

Head and chest armed with black bristles: head bluish green, covered in front with white down, clothed beneath with white hairs: eyes red: mouth tawny: feelers black, about twice the length of the head: palpi black: chest of the male bluish green, sometimes black towards the tip, of the female bright green or coppery green; sutures of the segments sometimes black: breast and underside of the abdomen covered with white down: legs yellow, adorned with rows of minute spines, clothed with a few white hairs, and beset with a few black bristles; four hinder hips green; tips of feet black; hind feet black; first joint brownish: wings slightly gray; wing-ribs tawny; veins black; poisers yellow. Length of the body 1¼ line; of the wings 2½ lines.

a. North America. Presented by the Entomological Club.
b. Ohio. Presented by the Entomological Club.
c. Massachusetts. From Prof. Sheppard's collection.
d. Nova Scotia. From Lieut. Redman's collection.

CHRYSOTUS, *Meigen.*

CHRYSOTUS neglectus, *Meig. Dipt.* iv. 41, 1, *pl*, 35, *f*. 10. *Macq. Dipt. Nord.* 19, 1. *Hist. Nat. Dipt.* i. 446, 1, *pl.* 10, *f*. 21. *Zett. Ins. Lapp.* 795, 1. Dolichopus neglectus, *Wied. Zool. Mag.* i. 74, 22. D. viridulus, *Fall. Dolich.* 18, 23.
a. England. Presented by F. Walker, Esq.

CHRYSOTUS copiosus, *Meig. Dipt.* iv. 41, 2. *Macq. Hist. Nat. Dipt.* i. 446, 2.
a. England. Presented by F. Walker, Esq.

CHRYSOTUS cilipes, *Meig. Dipt.* iv. 41, 3.
a. England.

CHRYSOTUS femoralis, *Megerle, Meig. Dipt.* iv. 42, 5. *Macq. Hist. Nat. Dipt.* i. 446, 3.
a. England. Presented by F. Walker, Esq.

CHRYSOTUS incertus, n. s. *Viridis, antennis nigris, femoribus viridibus, tibiis fulvis, apice tarsisque obscurioribus, alis limpidis.*

Allied to *C. femoralis.* Body green, beset with black hairs and bristles: eyes red: mouth and feelers black: hips and thighs

green; shanks tawny; feet and tips of shanks dark tawny: wings colourless; wing-ribs pitchy; veins black; poisers tawny.

a. United States. Presented by the Entomological Club.

CHRYSOTUS nigripes, *Meig. Dipt.* iv. 42, 6. *Macq. Hist. Nat. Dipt.* i. 447, 4. Musca nigripes, *Fabr. Ent. Syst.* iv. 341, 122. Dolichopus nigripes, *Fabr. Syst. Antl.* 269, 12. D. gramineus? *Fall. Dolich.* 19, 24. Chrysotus gramineus? *Zett. Ins. Lapp.* 705, 2.

a. England. Presented by F. Walker, Esq.
b. France.

CHRYSOTUS læsus, *Meig. Dipt.* iv. 43, 7. *Macq. Hist. Nat. Dipt.* i. 447, 5. Dolichopus lætus, *Wied. Zool. Mag.* i. 75, 21.

a. England. Presented by F. Walker, Esq.

CHRYSOTUS lætus, *Wied. Meig. Dipt.* iv. 43, 8.

a. England. Presented by F. Walker, Esq.

PORPHYROPS, *Meigen.*

Group I. *Haliday, Zool. Journ.* v. 354. Argyra, *Macquart.*

PORPHYROPS diaphanus, *Meig. Dipt.* iv. 46, 1, *pl.* 35, *f.* 5. P. versicolor, *Meig. Dipt.* iv. 50, 9, fem. P. leucocephalus? *Meig. Dipt.* iv. 49, 8, fem.? vi. 362. *Zett. Ins. Lapp.* 712, 17. Musca diaphana, *Fabr. Sp. Ins.* ii. 448, 70. *Ent. Syst. Suppl.* 564, 126. *Gmel. Ed. Syst. Nat.* v. 2852, 229. M. ludens? *Harr. Ex.* 157, *pl.* 47, *f.* 3. Dolichopus diaphanus, *Fabr. Syst. Antl.* 270, 18. *Fall. Dolich.* 16, 19. *Zett. Ins. Lapp.* 712, 17. Argyra diaphana, *Macq. Hist. Nat. Dipt.* i. 456, 1, *pl.* 10, *f.* 25.

a. England.
b. France.
c. ——? From Mr. Children's collection.

PORPHYROPS argyrius, *Meig. Dipt.* iv. 46, 2. Argyra argentata, *Macq. Hist. Nat. Dipt.* i. 457, 2.

a. England. Presented by F. Walker, Esq.
b. France.

PORPHYROPS argentinus, *Meig. Dipt.* iv. 47, 3.

a. England.
b. England. Presented by F. Walker, Esq.

Porphyrops aulicus, *Meig. Dipt.* iv. 48, 6.
a. England.
b. ———?

Porphyrops chetifer, *Haliday's MSS. Viridis, thoracis vittis abdominisque segmentorum suturis æneis, antennis nigris, pedibus fulvis, tarsis posticis nigris, tarsis anticis* mari. *apice nigris latioribus, alis subfulvis.*

Body green, beset with black bristles: head covered in front with white down: eyes bright red: mouth tawny: feelers black; bristle more than twice the length of all the preceding joints: chest adorned with indistinct brassy stripes, slightly covered with white bloom, which is more thick on the breast: abdomen covered with a slight white bloom; sutures of the segments brassy: legs tawny, clothed with very short black hairs, beset with black bristles; shanks rather darker than the thighs; feet of the male dark tawny; middle feet paler at the base; fore feet pale tawny, their tips black, slightly widened; feet of the female darker than the shanks, hind feet black: wings with a slight tawny tinge; wing-ribs and poisers tawny; veins brown, tawny towards the base. Length of the body 1¼ line; of the wings 4 lines.

a. England.

Porphyrops pilosicornis, *Barnston's MSS. Æneo-viridis, antennis nigris, pedibus fulvis, tarsis piceis, femoribus posticis apice fusco-maculatis, alis limpidis.*

Body brassy green, beset with black bristles: eyes dark red: mouth dark tawny: feelers black; bristle downy, proceeding from the base of the third joint and more than twice its length: breast and sides of the chest covered with a white bloom, which appears also on the chest, but is there very slight: legs tawny, clothed with short black hairs, beset with a few black bristles; feet pitchy; a small brown mark on the tip of each hind thigh; fore hips at the base and the other hips green and covered with white bloom: wings colourless; wing-ribs tawny; veins black; poisers yellow. Length of the body 1¼ line; of the wings 2½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group II. *Haliday, Zool. Journ.* v. 355.

Porphyrops annulipes, *Meig. Dipt.* iv. 56, 25.
a. England.

Group III. Plectropus, *Haliday, Zool. Journ.* v. 353.

Porphyrops pallipes, *Meig. Dipt.* iv. 55, 23. Musca pallipes, *Fabr. Ent. Syst.* iv. 340, 116. Dolichopus pallipes, *Fabr. Syst. Antl.* 266, 2.
a. England.

Medeterus, *Fischer.*

Group I. *Haliday, Zool. Journ.* v. 355.

Medeterus regius, *Meig. Dipt.* iv. 60, 1. *Macq. Hist. Nat. Dipt.* i. 451, 1, *pl.* 10, *f.* 24. Dolichopus regius, *Fabr. Syst. Antl.* 267, 5. *Latr. Gen. Crust.* iv. 292. D. virens, *Lam. Anim. sans Verteb.* iii. 425, 4. Musca virens, *Panz. Faun. Germ.* 54, 16. Hydrophorus regius, *Fall. Dolich.* 2, 1. *Zett. Ins. Lapp.* 700, 1.
a. England.

Medeterus viridis, *Meig. Dipt.* iv. 60, 2.
a. England.

Medeterus rostratus? *Meig. Dipt.* iv. 61, 3. *Macq. Hist. Nat. Dipt.* ii. 452, 2. Musca rostrata, *Fabr. Sp. Ins.* ii. 448, 68. *Ent. Syst.* iv. 342, 125. *Gmel. Ed. Syst. Nat.* v. 2582, 227. Dolichopus rostratus, *Fabr. Syst. Antl.* 269, 15. *Latr. Gen. Crust.* iv. 293. Medetera, *Fischer, Prog. Mosk.* 1819.
a. England.

Medeterus Carmichaelii, *Leach, MSS. Æneo-viridis, aureo suffusus, thorace vittato, antennis pedibusque nigris, femoribus viridibus, alis albo-fulvis.*

Body brassy green, covered with golden bloom, which is arranged in stripes on the chest: eyes dark red: feelers and mouth black: chest beset with a few black bristles: legs black, covered with tawny down; thighs bright green: wings pale tawny, white at the base and on the disks of the veins; wing-ribs and veins tawny, the latter pitchy towards the tips; poisers tawny. Length of the body 1½ line; of the wings 4 lines.

a. Tristram da Cunha. From Dr. Leach's collection.

Medeterus Tristramensis, *Leach, MSS. Fulvo-cinereus, antennis pedibusque nigris, alis subcinereis.*

Body gray, with a slight tawny tinge: eyes brassy: mouth and feelers black: legs green, beset with a few short black bristles, co-

vered with pale tawny down; feet black: wings slightly gray; wing-ribs pitchy; veins black; poisers ferruginous. Length of the body 2½ lines; of the wings 6½ lines.

a. Tristram da Cunha. (See Linn. Trans. xii.) From Dr. Leach's collection.

MEDETERUS glaber, *Barnston's MSS. Viridis, thoracis disco nigro-æneo, abdomine æneo-viridi, antennis nigris, pedibus viridibus, tarsis nigris, alis cinereis fusco bimaculatis.*

Body green: head and chest beset with a few black hairs: head covered with white bloom in the male, with golden bloom in the female: eyes red: mouth and feelers black: disk of the chest bronze-black; sides covered with tawny bloom; breast covered with white bloom: abdomen brassy green, covered above with short tawny hairs; underside covered with white bloom: legs bright green, rather stout, clothed with short black hairs and bristles; hips covered with white bloom; feet black: wings gray; each with two small brown spots, one on the cross-vein, the other on the fourth longitudinal vein, a little before half the distance between the cross-vein and the tip of the wing; wing-ribs pitchy; veins black; poisers tawny. Length of the body 1¾ line; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

MEDETERUS chrysologus, *Barnston's MSS.*, fem. *Nigro-æneus, antennis nigris, pedibus viridibus, tarsis nigris, alis cinereis, fusco bimaculatis ad costam subfuscis.*

Body brassy black: head covered with golden bloom, which is paler and brighter towards the mouth: eyes dark red, covered with white down: mouth and feelers black: sides of the chest covered with tawny bloom: breast and underside of the abdomen adorned with white bloom; a row of black punctures on each side of the abdomen, as in other species: legs green, clothed with black hairs and bristles; hips and thighs covered with white bloom; feet black: wings gray, brown along the fore borders; each with two darker brown spots like those of *M. glaber*, but larger and more distinct; wing-ribs tawny; veins black; poisers pitchy. Length of the body 1¼ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

MEDETERUS alboflorens, n. s., fem. *Æneus fulvo pubescens subtus albus, abdomine cupreo-viridi, antennis nigris, pedibus viridibus, tarsis piceis, alis cinereis fusco subvittatis.*

Head and chest bronzed, beset with a few black bristles, thickly covered with tawny bloom: eyes dark red, covered with white down: mouth and feelers black: abdomen rather light green, mingled with copper-colour, thinly clothed with short black hairs, not longer than the chest: hind chest, breast, and underside of the abdomen covered with white bloom: legs long, slender, green, slightly covered with tawny bloom, beset with short black hairs and bristles; feet pitchy towards the tips; claws black; foot-cushions pale yellow: wings gray, very slightly clouded with brown along the borders of the veins; wing-ribs pitchy; veins black; poisers tawny, pitchy, and covered with white bloom towards the tips. Length of the body 1½—1⅔ line; of the wings 4—4½ lines.

a. Nova Scotia. From Lieut. Redman's collection.

MEDETERUS notatus, *Meig. Dipt.* iv. 62, 6. *Curt. Brit. Ent. pl.* 162. *Guér. Icon. Regn. Anim. Ins. pl.* 96, *f.* 5. *Macq. Hist. Nat. Dipt.* i. 452, 2. Musca notata, *Fabr. Sp. Ins.* ii. 448, 65. *Ent. Syst.* iv. 341, 120. *Gmel. Ed. Syst. Nat.* v. 2851, 225. Dolichopus notatus, *Fabr. Syst. Antl.* 269, 10. Hydrophorus armiger, *Fall. Dolich.* 4, 5. H. notatus, *Zett. Ins. Lapp.* 701, 4.

a. England. Presented by F. Walker, Esq.

MEDETERUS bipunctatus, *Wied. Meig. Dipt.* iv. 637. *Macq. Hist. Nat. Dipt.* i. 453, 6.

a. England.

MEDETERUS præcox, *Wied. Meig. Dipt.* iv. 64, 8. *Hal. Zool. Journ.* v. 357, 8.

a. England.

MEDETERUS curvipes, *Meig. Dipt.* iv. 65, 10. *Hal. Zool. Journ.* v. 357, 10. *Macq. Hist. Nat. Dipt.* i. 453, 8. Dolichopus curvipes, *Fall. Dolich.* 20, 27. *Zett. Ins. Lapp.* 713, 22.

a. England.

MEDETERUS loripes, *Hal. Zool. Journ.* v. 357, 11.

a. England. Presented by F. Walker, Esq.

MEDETERUS truncorum, *Winth. Meig. Dipt.* iv. 67, 15. Hydrophorus truncorum, *Zett. Ins. Lapp.* 702, 8.

a. England.

Group II. Camptosceles, *Haliday, Zool. Journ.* v. 357.

MEDETERUS Scambus, *Meig. Dipt.* iv. 68, 18. *Hal. Zool. Journ.* v. 357, 9. *Macq. Hist. Nat. Dipt.* i. 454, 9. M. prodromus, *Meig. Dipt.* iv. 64, 9, fem. *Hal. Zool. Journ.* v. 358, 12. Dolichopus Scambus, *Fall. Dolich.* 19, 26. *Zett. Ins. Lapp.* 713, 21.
a. England.

Group III. Hydrophorus, *Fallen.*

MEDETERUS nebulosus, *Meig. Dipt.* iv. 68, 19. Hydrophorus nebulosus, *Fall. Dolich.* 3, 4. *Macq. Dipt. Nord.* 38, 3. *Hist. Nat. Dipt.* i. 445, 3. *Zett. Ins. Lapp.* 701, 5.
a. England. Presented by F. Walker, Esq.

SYBISTROMA, *Megerle.*

SYBISTROMA patellipes, *Meig. Dipt.* iv. 72, 2.
a. England.

DOLICHOPUS, *Latreille.*

DOLICHOPUS nobilitatus, *Fabr. Syst. Antl.* 268, 6. *Latr. Gen. Crust.* iv. 292. *Fall. Dolich.* 13, 12. *Meig. Dipt.* iv. 75, 1. *Macq. Dipt. Nord.* 59, 1. *Hist. Nat. Dipt.* i. 459, 1. *Ann. Soc. Ent. 2me. série* ii. 186, *pl. 5, f.* 39, 40. *Stæger, Kroyer, Tidskrift.* iv. 37, 30. *Stann. Isis.* 1831, 140, 34. Musca nobilitata, *Linn. Syst. Nat.* ii. 995. *Turt.* iii. 613. *Gmel. Ed. Syst. Nat.* v. 2851, 98. *Fabr. Sp. Ins.* ii. 447, 63. *Ent. Syst.* iv. 340, 118. Musca, &c., *Geoff. Ins.* ii. 523, 55. Rhagio nobilitatus, *Schrank, Faun. Boic.* iii. 100, 2397. Musca joco, *Harr. Ex.* 157, *pl.* 47, *f.* 1.
a. England.
b. France.

DOLICHOPUS atratus, *Hoffmansegg, Meig. Dipt.* iv. 76, 3. *Hal. Zool. Journ.* v. 360, 7. *Macq. Dipt. Nord.* 69, 3. *Hist. Nat. Dipt.* i. 461, 11. *Zett. Ins. Lapp.* 710, 10.
a. Hammerfest, Finmark. Presented by F. Walker, Esq.

Dolichopus chalybeus, *Wied. Zool. Mag.* i. 72; 18. *Meig. Dipt.* iv. 79, 10.? *Macq. Hist. Nat. Dipt.* i. 462, 13.? *Ann. Soc. Ent. France, 2me série.* ii. 186, *pl.* 5, *f.* 41, 42.? *Stann. Isis.* 1831, 142, 35. *Stæger, Kroyer, Tids.* iv. 37, 31. "Non *Meig. Macq. Conf.* D. ungulatus, var. β." *Stæger, Kroyer, Tids.* iv. 33, 37.

a. England.
b. France.

Dolichopus nitidus, *Fall. Dolich.* 12, 9. *Meig. Dipt.* iv. 80, 12. *Macq. Ann. Soc. Ent. France, 2me série,* ii. 185, *pl.* 4, *f.* 5, 6. *Stæger, Kroyer, Tids.* iv. 15, 4. D. nitens, *Stann. Isis.* 1381, 48, 3.

a. Isle of Soröe, Finmark. Presented by F. Walker, Esq.
b. Alten, Finmark. Presented by F. Walker, Esq.
c. Hammerfest, Finmark. Presented by F. Walker, Esq.

Dolichopus ungulatus, *Fabr. Syst. Antl.* 266, 3. *Latr. Gen. Crust.* iv. 292. *Cons. Gén.* 443. *Lam. Anim. sans Verteb.* iii. 425, 2. *Fall. Dolich.* 9, 2. *Meig. Dipt.* iv. 80, 13. *Guér. Icon. Regn. Anim. Ins. pl.* 96, *f.* 4. *Macq. Dipt. Nord.* 62, 8, *pl.* 1, *f.* 7. *Hist. Nat. Dipt.* i. 462, 15, *pl.* 10, *f.* 27. *Hal. Zool. Journ.* v. 359, 2. *Zett. Ins. Lapp.* 708, 2. *Stann. Isis.* 1831, 130, 25. *Stæger, Kroyer, Tids.* iv. 33, 25. D. chalybeus? *Meig. Dipt.* iv. 79, 10. *Macq. Hist. Nat. Dipt.* i. 462, 13. xi. *Ann. Soc. Ent. France, 2me série,* ii. 186, *pl.* 5, *f.* 41, 42. Musca ungulata, *Linn. Faun. Suec.* 1858. *Gmel. Ed. Syst. Nat.* v. 2851, 97. *Fabr. Sp. Ins.* ii. 447, 62. *Ent. Syst.* iv. 340, 117. *Schrank, Ins. Austr.* 947. *Faun. Boic.* iii. 123, 2457. *Panz. Faun. Germ.* xx. 21. *Stew. El.* ii. 267. *Turt.* iii. 613. Musca, &c., *Geoff. Ins.* ii. 522, 54. Nemotelus æneus, *Deg. Ins.* vi. 78, 15, *pl.* 11, *f.* 14, 22.

a. England.
b. France.
c. ——? From Mr. Children's collection.
d. Alten, Finmark. Presented by F. Walker, Esq.
e. Hammerfest, Finmark. Presented by F. Walker, Esq.

Dolichopus nigricornis, *Meg. Meig. Dipt.* iv. 82, 14. *Macq. Hist. Nat. Dipt.* ii. 463, 19.

a. England.

Dolichopus plumitarsis, *Fall. Dolich.* 10, 4. *Meig. Dipt.* iv. 89, 26.

a. England.
b. France.

Dolichopus pennitarsis, *Fall. Dolich.* 11, 6. *Meig. Dipt.* iv. 90, 29. *Hal. Zool. Journ.* v. 362, 15. *Macq. Dipt. Nord.* 69, 23. *Hist. Nat. Dipt.* i. 466, 34. *Zett. Ins. Lapp.* 709, 9. *Stann. Isis.* 1831, 63, 14. *Stæger, Kroyer, Tids.* iv. 25, 15.
a. England. Presented by F. Walker, Esq.
b. Hammerfest, Finmark. Presented by F. Walker, Esq.

Dolichopus brevipennis, *Fall. Meig. Dipt.* iv. 89, 26. *Macq. Ann. Soc. Ent. France, 2me série*, ii. 185, *pl.* 4, *f.* 19, 20. *Zett. Ins. Lapp.* 709, 8. *Stann. Isis.* 1831, 60, 12. *Stæger, Kroyer, Tids.* iv. 23, 13. D. plumitarsis, *Fall. Dolich.* 10, 4, var. β.
a. England.

Dolichopus popularis, *Hoffmansegg, Wied. Zool. Mag.* i. 70, 15. *Fall. Dolich.* 11, 7. *Meig. Dipt.* iv. 91, 30. *Macq. Dipt. Nord.* 70, 25. *Hist. Nat. Dipt.* i. 466, 35. *Ann. Soc. Ent. France, 2me série*, ii. 185, *pl.* 5, *f.* 29, 30. *Stann. Isis.* 1831, 66, 16. *Stæger, Kroyer, Tids.* iv. 26, 17.
a. England.

Dolichopus inquinatus, *Hal. Zool. Journ.* v.
a. England.

Dolichopus plebeius, *Meig. Dipt.* iv. 99, 44. *Zett. Ins. Lapp.* 710, 11.
a. England.

Dolichopus affinis, *Haliday's MSS.*, mas. et fem. *Cyaneo- aut cupreo-viridis, antennis nigris, pedibus flavis, femoribus posticis tarsisque fulvis, tarsis anticis*, mari. *apice nigris dilatatis, tarsis posticis nigris, alis limpidis.*

Male.—Head and chest green, armed with stout black bristles: head fringed behind with pale tawny hairs, covered in front and beneath with white bloom: eyes red, covered with white down: feelers black: chest bluish green on the disk: abdomen coppery green, clothed with short black hairs, covered with white bloom beneath and on each side, where there is a row of black punctures: appendages pale yellow: legs yellow, clothed with short black hairs; four hinder hips green; hind thighs tawny, furnished with a few tawny hairs; shanks and feet armed with black bristles; feet tawny, darker towards the tips; hind feet black; tips of fore feet black, widened: wings colourless; wing-ribs and poisers yellow; veins pitchy. *Fem.*—Body coppery green: legs tawny; shanks darker

than the thighs; hind feet pitchy. Length of the body 2—2½ lines; of the wings 4—5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

DOLICHOPUS cuprinus? *Wied. Auss. Zweif.* ii. 230, 1. D. cupreus? *Say, Journ. Acad. Philad.* iii. 8, 6. *Aureo-viridis, thorace vittis tribus cupreis, antennis fulvis apice fuscis, pedibus flavis, tarsis apice nigris, anticis apice nigro-fasciculatis, alis subcinereis.*

Body green, covered above with golden down, beneath with white down: head and chest armed with stout black bristles: hind part of the head fringed with white hairs: eyes red: mouth yellow: feelers tawny, covered with short black hairs; their tips brown; bristle pubescent, pitchy, longer than the rest of the feelers: chest adorned with three coppery stripes: abdomen golden green, clothed with short black hairs, white beneath and on each side, where it has a row of black punctures; appendages yellow: legs yellow, clothed with black hairs; four hinder hips green; feet towards the base and shanks armed with black bristles; four hinder feet black towards the tips; tips of fore feet adorned with tufts of black hairs: wings slightly gray; wing-ribs tawny; veins pitchy; poisers yellow. Length of the body 2½ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DOLICHOPUS lamellipes, *Barnston's MSS.*, mas. et fem. *Viridis aut viridi-cupreus, abdomine subtus albo pubescente, antennis nigris basi rufis, articulo 3° mari. longo, pedibus fulvis, tarsis nigris, intermediis basi fulvis anticis* mari. *apice dilatatis, alis limpidis.*

Body green: head and chest armed with black bristles: head covered with silvery down, fringed behind with black hairs: eyes red: mouth tawny: feelers black; first joint pale red; third joint very long: abdomen clothed with black hairs, adorned with a coppery tinge towards the tip, which is black, covered with white bloom beneath and on each side, where there is a row of black punctures: legs pale tawny, four hinder hips green, clothed with black hairs and bristles; feet black; tips of fore feet widened; middle feet tawny towards the base: wings colourless; wing-ribs tawny; veins pitchy; poisers pale tawny. *Fem.*—Third joint of the feelers short, nearly round. Length of the body 2½—3 lines; of the wings 5 lines.

Var. *β.* Chest and abdomen coppery.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DOLICHOPUS ciliatus, *Barnston's MSS.*, mas. et fem. *Viridis, capitis fronte aureo-pubescente, antennis fulvis, articulo 3° supra nigro, pedibus fulvis, tarsis piceis, alis subcinereis.*

Body green: head covered in front with golden down: eyes red: mouth black: feelers tawny; third joint nearly oval, black, from near the base to the tip above, and from half its length to the tip beneath; bristle black: breast and sides of the chest and of the abdomen covered with white bloom; appendages of the abdomen tawny; scales white: legs tawny; feet pitchy; fore feet dark tawny: wings slightly gray; wing-ribs tawny; veins black; poisers yellow. Length of the body 1½—1¾ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DOLICHOPUS adjacens, n. s., fem. *Æneus viridi varius, capite cyaneo-viridi, antennis nigris, pedibus fulvis, tarsis posticis piceis, alis subcinereis.*

Head bluish green on the crown, covered in front with yellowish white down, fringed along the eyes with hoary hairs: eyes red: mouth pitchy; palpi tawny: feelers black; third joint very short: chest and abdomen brassy, mingled with green: breast and sides of the chest covered with gray bloom, which also appears beneath the abdomen, but is more slight: legs tawny; hips green, covered with gray bloom; fore hips mostly tawny; feet darker than the shanks, especially towards the tips; hind feet pitchy: wings slightly gray; wing-ribs and poisers tawny; veins black. Length of the body 3 lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DOLICHOPUS coercens, n. s., mas. *Viridis, capite cyaneo-viridi, thoracis lateribus cupreo et cyaneo ornatis, abdomine cupreo vario, apice nigro, antennis nigris, pedibus fulvis, alis limpidis.*

Head bluish green, covered in front with pale tawny down, fringed along the eyes with white hairs: eyes bright red: mouth pitchy: feelers black; third joint very short: chest green, slightly tinged on each side with blue and copper-colour; disk sometimes bluish green: breast covered with hoary down: abdomen green, with a coppery tinge here and there; tip black; appendages pale tawny; scales white, bordered with black: legs tawny; hips towards the base green, and covered with a white bloom; shanks beset with black bristles; feet pitchy towards the tips; fore feet slender, pale tawny, their tips black, and much widened: wings co-

lourless; wing-ribs and poisers tawny; veins black. Length of the body 3 lines; of the wings 5½ lines.

a. New York. Presented by the Entomological Club.

DOLICHOPUS finitus, n. s., mas. *Viridis, thoracis lateribus abdomineque cupreo variis, hujus lateribus basi cyaneo-viridibus, antennis nigris, pedibus fulvis, tarsis apice nigris, tarsis anticis apice latis, tarsis posticis nigris, alis subcinereis.*

Body green: head covered in front with white down, fringed along the eyes with white hairs: eyes red: mouth pitchy; palpi tawny: feelers black; third joint rather large: chest with a slight coppery tinge on each side, which, like the breast, is slightly covered with hoary bloom: abdomen tinged with coppery colour, and with a slight blue hue on each side towards the base; appendages at the tip tawny; scales white, bordered with black: legs tawny; middle feet towards the tips, and hind feet, excepting the base, black; tips of fore feet black, and somewhat widened: wings slightly gray; wing-ribs and poisers tawny; veins pitchy. *Fem.*—Feet black, tawny at the base. Length of the body 3 lines; of the wings 5 lines.

a. New York. Presented by the Entomological Club.

DOLICHOPUS distractus, n. s. *Viridis, abdomine cupreo, antennis nigris, articulo 1° subtus fulvo, pedibus fulvis, tarsis apice piceis, alis subcinereis.*

Body green: head covered in front with white down, clothed on each side of the eyes with white hairs: eyes bright red: feelers black; first joint tawny beneath; third joint short and broad: abdomen copper-coloured: legs tawny; feet pitchy towards the tips: wings slightly gray; wing-ribs and poisers tawny; veins black. Length of the body 2½ lines; of the wings 5 lines.

a. New York. Presented by E. Doubleday, Esq.

DOLICHOPUS discessus, n. s., fem. *Cyaneo-viridis, thorace cupreo bivittato, abdomine æneo-viridi, antennis pedibusque fulvis, tarsis posticis piceis, alis subcinereis.*

Body bluish green: head covered in front with white down: eyes bright red: mouth and feelers tawny; bristle black: chest adorned with two bright copper-coloured stripes; sides and breast covered with white bloom: abdomen green, brassy here and there, especially towards the tip; sides and underside covered with white down: legs tawny; tips of feet and hind feet, except the base,

pitchy: wings slightly gray; wing-ribs and poisers tawny; veins black. Length of the body 2½ lines; of the wings 5½ lines.

a. Massachusetts. From Prof. Sheppard's collection.

DOLICHOPUS contiguus, n. s., mas. *Aureo-viridis, thorace viridi-cyaneo, lateribus purpureo variis, abdomine cyaneo et cupreo vario, antennis nigris, pedibus fulvis tarsis anticis apice nigris latis, tarsis mediis piceis basi fulvis, tarsis posticis nigris, alis limpidis.*

Head golden green, covered in front with pale tawny down: eyes bright red: feelers black; third joint oval: chest greenish blue, with a slight purple tinge on each side: abdomen golden green, slightly bluish and coppery here and there: breast and underside of the abdomen covered with hoary bloom; tip black; appendages tawny; scales whitish: legs tawny; four hinder hips mostly green, and tinged with hoary bloom; tips of fore feet black, much widened; middle feet pitchy, tawny at the base; hind feet black: wings colourless; wing-ribs and poisers tawny; veins pitchy, tawny towards the base. Length of the body 2 lines; of the wings 4 lines.

a. New York. Presented by the Entomological Club.

DOLICHOPUS exclusus, n. s., fem. *Cupreus, nonnunquam viridi varius, abdomine purpureo-cupreo, antennis nigris, articulo 1° subtus fulvo, pedibus fulvis, tarsis nigris, alis subcinereis.*

Body coppery, sometimes varied with green: head covered in front with white bloom: eyes red: mouth pitchy; palpi tawny: feelers black; first joint tawny beneath; third joint oval, as long as the first and the second: breast covered with gray bloom: abdomen purplish copper-colour, covered beneath with gray bloom: legs tawny; hips coppery; fore hips mostly tawny; feet black: wings slightly gray; wing-ribs tawny; veins black; poisers pale tawny. Length of the body 2 lines; of the wings 4½ lines.

c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DOLICHOPUS directus, n. s., fem. *Cyaneo-viridis, abdomine æneo-viridi, antennis fulvis, articulo 3° nigro, pedibus fulvis, tibiis apice tarsisque piceis, alis subcinereis.*

Body bluish green, thickly covered with tawny bloom, beset with black hairs and bristles: eyes red, fringed on each side with white hairs: mouth dark tawny: feelers tawny; third joint black; bristle black, as long as the head: disk of the chest shining: breast

covered with white bloom: abdomen brassy green, covered beneath with white bloom: legs pale tawny, clothed with short black hairs and with a few black bristles; middle hips partly green; tips of shanks pitchy; feet pitchy, pale at the base: wings slightly gray; wing-ribs pale tawny; veins pitchy; fourth longitudinal vein straight; poisers yellow, tawny towards the base. Length of the body 2¼ lines; of the wings 4½ lines.

a. Interior of South Africa. Presented by the Earl of Derby.

DOLICHOPUS confinis, n. s., fem. *Æneus, viridi varius, capite viridi, antennis nigris, pedibus fulvis, tarsis piceis, tibiis posticis apice tarsisque posticis nigris, alis cinereis.*

Body brassy, mingled here and there with green: head green, covered in front with white down, clothed along the sides of the eyes with white hairs: eyes red: mouth pitchy: feelers black; third joint nearly oval, rather short: breast covered with white bloom: legs tawny; feet pitchy, tawny towards the base; hind feet and tips of hind shanks black: wings gray; wing-ribs and poisers tawny; veins black. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq

DOLICHOPUS conterminus, n. s., mas. *Viridis, thoracis disco abdomineque aureo-viridibus, hujus apice æneo, antennis nigris, pedibus fulvis, tarsis anticis apice nigris latis, tarsis mediis apice posticisque piceis, alis limpidis,* fem. *tarsis piceis basi fulvis, tarsis posticis nigris.*

Body bright green: head covered with tawny down, fringed along the sides of the eyes with white hairs: eyes bright red, covered with white down: mouth pitchy; palpi tawny: feelers black; third joint rather large: abdomen and disk of the chest golden green: breast and sides of the chest covered with hoary bloom, which also slightly tinges the underside of the abdomen: tip of the abdomen brassy; appendages tawny; scales white, slightly bordered with black: legs pale bright tawny; four hind hips mostly green, and covered with a white bloom; thighs fringed with white hairs: fore feet slender, with black and much widened tips; middle feet pitchy towards the tips; hind feet pitchy: wings colourless; wing-ribs tawny; veins black; poisers pale tawny. *Fem.*—Feet pitchy, tawny towards the base; hind feet black. Length of the body 2 lines; of the wings 4 lines.

a. New York. Presented by E. Doubleday, Esq.
b. North America. Presented by the Entomological Club.

DOLICHOPUS separatus, n. s., fem. *Viridis, abdominis apice cupreo, antennis fulvis, articulo 3° apice nigro, pedibus fulvis, tarsis nigris, alis subcinereis.*

Body green: head covered in front with tawny down: eyes red: mouth pitchy; palpi tawny: feelers tawny; third joint oval, black towards the tip; bristle black: breast, sides of the chest and underside of the abdomen covered with white bloom: abdomen coppery towards the tip: legs tawny; four hind hips green, covered with white bloom; feet black: wings slightly gray; wing-ribs and poisers tawny; veins black. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DOLICHOPUS terminatus, n. s., fem. *Aureo-viridis, capite cyaneo-viridi, abdomine cupreo basi viridi, antennis nigris, pedibus fulvis, tarsis piceis basi fulvis, alis subcinereis fusco subvittatis.*

Head bluish green, covered in front with golden down, fringed on each side with white hairs: eyes bright red: mouth pitchy; palpi tawny: feelers black; third joint nearly oval: chest golden green; sides and breast covered with hoary bloom, which also appears beneath the abdomen: abdomen copper-colour, green at the base: legs tawny; four hind hips green, covered with white bloom; feet pitchy, tawny towards the base: wings slightly gray, indistinctly tinged with brown along the borders of the veins; wing-ribs and poisers tawny; veins pitchy. Length of the body 2 lines; of the wings 4 lines.

a. North America. Presented by the Entomological Club.

DOLICHOPUS indirectus, n. s., fem. *Viridis, abdomine cyaneo-viridi, fasciis cupreo-viridibus, antennis fulvis, articulo 3° nigro, pedibus fulvis, tibiis apice tarsisque piceis, alis cinereis.*

Body green, beset with black hairs and bristles: head and disk of the chest covered with tawny bloom: head covered beneath with white bloom, fringed with white hairs along the sides of the eyes: eyes red: mouth black: feelers tawny; third joint black; bristle black, a little longer than all the other joints: breast covered with white bloom: abdomen bluish green, adorned with a broad coppery green band along the hind border of each segment: legs tawny, beset with black hairs and bristles; hips green; thighs covered with white bloom; tips of shanks and feet pitchy: wings gray: wing-ribs tawny; veins black; fourth longitudinal vein slightly angular;

poisers pale tawny. Length of the body 2¼ lines; of the wings 4½ lines.

a. West Africa. From Mr. Turner's collection.

DOLICHOPUS sequax, n. s. *Cyaneo-viridis, thorace æneo-viridi, abdominis apice æneo, antennis fulvis, articulo 3° nigro subtus fulvo, pedibus fulvis, tarsis nigris anticis piceis, alis limpidis.*

Body bluish green: head covered in front with golden down: eyes red: mouth pitchy: feelers tawny; third joint black, tawny beneath towards the base; bristle black: chest with a slight brassy tinge: breast covered with a hoary bloom: abdomen bluish green; tip bronzed; appendages tawny; scales white, with dark borders; underside slightly covered with hoary bloom: legs tawny; feet black; four hind hips mostly green, covered with white down; middle shanks with a slight tuft of black hairs at the base; fore feet pitchy, tawny at the base: wings colourless; wing-ribs and poisers tawny; veins black. Length of the body 1¾ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DOLICHOPUS soccatus, *Barnston's MSS.* *Æneus, capite viridi, abdomine cupreo basi viridi, antennis fulvis, articulo 3° nigro subtus fulvo, pedibus fulvis, tarsis nigris, alis subcinereis.*

Head green, covered in front with hoary down, fringed along the eyes with whitish hairs: eyes red: mouth tawny: feelers tawny; third joint black, very short, tawny beneath till near the tip; bristle black: chest brassy; sides and breast covered with hoary bloom: abdomen coppery, green at the base: legs tawny: feet black: wings slightly gray; wing-ribs tawny; veins black; poisers yellow. Length of the body 1¾ line; of the wings 3½ lines.

Var. β. Body brassy, tinged with green.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DOLICHOPUS remotus, n. s. *Æneo-viridis, capite thoracisque lateribus cyaneo-viridibus, abdomine basi viridi, antennis nigris, pedibus fulvis, tibiis posticis apice tarsisque posticis nigris, alis limpidis.*

Head bluish green, clothed in front with white down, fringed on each side with white hairs: eyes red: feelers black: chest brassy green, bluish green on each side; breast covered with hoary

bloom: abdomen brassy, green at the base, tinged with green on each side, covered with white bloom beneath; tip black; appendages tawny; scales white, bordered with black: legs tawny; tips of feet pitchy; hind feet and tips of hind shanks black: wings colourless; wing-ribs and poisers pale tawny; veins black. Length of the body 1¼ line; of the wings 3 lines.

a. North America. Presented by the Entomological Club.

DOLICHOPUS irrasus, n. s., fem. *Cyaneus, abdomine æneo, antennis nigris, pedibus fulvis, tarsis piceis, alis cinereis fusco subvittatis.*

Body deep blue, beset with black hairs and bristles: head covered in front with a silvery bloom: eyes red: mouth and feelers black: chest covered with ferruginous bloom; sides and chest covered with white bloom: abdomen dark bronze, slightly covered with white bloom, not longer than the chest: legs tawny, clothed with black hairs and bristles; feet pitchy: wings gray, brownish along the borders of the veins; wing-ribs and veins black; fourth longitudinal vein slightly bent; poisers dark tawny. Length of the body 1 line; of the wings 2 lines.

a. Florida. Presented by E. Doubleday, Esq.

ORTOCHILE, *Latreille.*

ORTOCHILE derempta, n. s. *Viridis, thoracis disco cupreo, abdomine purpureo, basi, apiceque cyaneo-viridi, lateribus aureo-viridibus, antennis nigris, pedibus fulvis, femoribus viridibus, alis subcinereis.*

Body green: head and chest beset with black bristles: eyes and mouth black: feelers black; third joint very short, round; bristle proceeding from its tip: disk of the chest copper-coloured: abdomen purple, clothed with black hairs, bluish green at the base and at the tip, golden green along each side: legs tawny, clothed with short black hairs; hips and thighs green: wings slightly gray; wing-ribs and poisers tawny; veins pitchy. Length of the body 1¼ line; of the wings 3 lines.

a. North America. Presented by the Entomological Club.

Fam. XVIII. Oxypteræ.

Lonchoptera, *Meigen.*

Lonchoptera tristis, *Meig. Dipt.* iv. 110, 10, *pl.* 36, *f.* 11. *Macq. Hist. Nat. Dipt.* ii. 15, 8.
a. England. Presented by F. Walker, Esq.

Lonchoptera lutea, *Panz. Faun. Germ.* 108, *f.* 20, 21. *Meig. Dipt.* iv. 107, 1. *Macq. Hist. Nat. Dipt.* ii. 14, 1. *Zett. Ins. Lapp.* 792, 1. Dipsa furcata, *Fall. Phytomyz.* 1, 1.
a. England.

Lonchoptera flavicauda, *Meig. Dipt.* iv. 107, 2. *Macq. Hist. Nat. Dipt.* ii. 14, 2.
a. England. Presented by F. Walker, Esq.

Lonchoptera lacustris, *Meig. Dipt.* iv. 107, 3. *Macq. Hist. Nat. Dipt.* ii. 15, 3.
a. ——— ?

Lonchoptera riparia, *Meig. Dipt.* iv. 108, 4. *Macq. Hist. Nat. Dipt.* ii. 15, 4, *pl.* 13, *f.* 10, 11.
a. England. Presented by F. Walker, Esq.

Lonchoptera palustris, *Meig. Dipt.* iv. 109, 8.
a. England. Presented by F. Walker, Esq.

Lonchoptera rivalis, *Meig. Dipt.* iv. 108, 5. *Macq. Hist. Nat. Dipt.* ii. 15, 5.
a. England. Presented by F. Walker, Esq.

Lonchoptera punctum, *Meig. Dipt.* iv. 110, 9.
a. England. Presented by F. Walker, Esq.

Note.—Lonchoptera flavicauda = L. riparia = L. rivalis ?
L. lacustris = L. palustris ?
L. nigrimana = L. thoracica ? *Walk. Ent. Mag.* iv. 230.

Fam. XIX. Scenopinii.

Scenopinus, *Latreille.*

Scenopinus fenestralis, *Fabr. Syst. Antl.* 535, 1. *Latr. Gen. Crust.* iv. 349. *Cons. Gén.* 444. *Fall. Scenop.* 5, 1. *Meig. Dipt.* iv.

113, 1. *Macq. Hist. Nat. Dipt.* ii. 6, 1, *pl.* 13, *f.* 1—3. *Zett. Ins. Lapp.* 618, 1. Musca fenestralis, *Linn. Syst. Nat.* ii. 981. *Faun. Suec.* 1845. *Gmel. Ed. Syst. Nat.* v. 2844, 14. *Schell. Gen. Mouch. pl.* 13, *f.* 1, 2. *Turt.* iii. 608. Nemotelus fenestralis, *Deg. Ins.* vi. 77, 11. Atrichia spoliata, *Schrank, Faun. Boic.* iii. 2404. Musca, &c., *Geoff. Ins.* ii. 532, 73.

a. England.
b. France.

Scenopinus senilis, *Fabr. Syst. Antl.* 336, 3. *Meig. Dipt.* iv. 115, 7. *Macq. Hist. Nat. Dipt.* ii. 7, 4.

a. France.

Scenopinus niger, *Meig. Dipt.* iii. 116, 9. *Macq. Hist. Nat. Dipt.* ii. 8, 7. *Zett. Ins. Lapp.* 619, 2. Nemotelus niger, *Deg. Ins.* vi. 76, 10, *pl.* 9, *f.* 5. N. tarsatus, *Panz. Faun. Germ.* 98, 20. Scenopinus rugosus, *Fabr. Syst. Antl.* 336, 2, fem. *Meig. Dipt.* iv. 107, 10. *Macq. Hist. Nat. Dipt.* ii. 7, 6. S. ater, *Fall. Dipt. Suec. Scen.* 5, 2.

a. England.
b. France.

Fam. XX. Conopsariæ.

Conops, *Linneus.*

Conops flavipes, *Linn. Syst. Nat.* ii. 1005. *Faun. Suec.* 1904. *Gmel. Ed. Syst. Nat.* v. 2894, 7. *Fabr. Sp. Ins.* ii. 467, 5. *Ent. Syst.* iv. 393, 8. *Syst. Antl.* 177, 10. *Schæff. Icon. pl.* 104, *f.* 2. *Stew. El.* ii. 271. *Panz. Faun. Germ.* 70, 21, 22. *Latr. Gen. Crust.* iv. 336. *Fall. Conops.* 8, 4. *Meig. Klass. Zweif. Ins.* i. 277, 5. *Dipt.* iv. 122, 3. *Lam. Anim. sans Verteb.* iii. 398, 2. *Macq. Hist. Nat. Dipt.* ii. 24, 3, *pl.* 13, *f.* 12. C. trifasciata, *Deg. Ins.* vi. 104, 2. *Herbst, Gem. Nat.* viii. 116, 4, *pl.* 70, *f.* 4. C. melanocephala, *Meig. Klass. Zweif.* i. 278, 6. C. macrocephala, *Sam. Ent. Comp.* 72, *pl.* 9, *f.* 8. C. vesicularis, *Harr. Ex.* 70, *pl.* 20, *f.* 1.

a. England.
b. France.
c. Ukraine. Presented by Dr. Dowler.

Conops quadrifasciata, *Deg. Ins.* vi. 104, 1, *pl.* 15, *f.* 1. *Fall. Conops.* 9, 5. *Meig. Dipt.* iv. 123, 4. *Macq. Hist. Nat. Dipt.* ii. 25, 5. C. aculata, *Fabr. Sp. Ins.* ii. 466, 2. *Ent. Syst.* iv. 391, 2. *Syst. Antl.* 174, 2. *Latr. Gen. Crust.* iv. 366. *Cons. Gén.* 443. *Schrank, Faun. Boic.* iii. 2562. *Meig. Klass. Zweif.* i. 276, 4. *Lam. Anim. sans Verteb.* iii. 397, 1.

a. ——— ?

Conops aculeata, *Linn. Faun. Suec.* 1906. *Gmel. Ed. Syst. Nat.* v. 2893, 1. *Latr. Gen. Crust.* iv. 336. *Meig. Dipt.* iv. 124, 5. *Macq. Hist. Nat. Dipt.* ii. 25, 6. C. scutellata, *Meig. Klass. Zweif.* i. 276, 5.

a. England.

b. France.

c. ——— ?

d. ——— ? From Mr. Children's collection.

Conops macrocephala, *Linn. Faun. Suec.* 1902. *Gmel. Ed. Syst. Nat.* v. 2893, 5. *Fabr. Sp. Ins.* ii. 4664. *Ent. Syst.* iv. 393, 7. *Syst. Antl.* 176, 9. *Deg. Ins.* vi. 105, 3. *Fall. Conops.* 7, 2. *Coq. Icon.* 120, *pl.* 27, *f.* 5. *Meig. Dipt.* iv. 125, 8. *Macq. Hist. Nat. Dipt.* ii. 24, 2.

a. France.

Conops rufipes, *Fabr. Sp. Ins.* 466, 3. *Ent. Syst.* iv. 392, 5. *Syst. Antl.* 176, 7. *Gmel. Ed. Syst. Nat.* v. 2893, 1. *Latr. Hist. Nat. Crust.* xiv. 347. *Gen. Crust.* iv. 336. *Fall. Conops.* 7, 1. *Meig. Dipt.* iv. 127, 6, 9. *Lam. Anim. sans Verteb.* iii. 398, 3. *Macq. Hist. Nat. Dipt.* ii. 25, 7. Asilus, &c., *Geoff. Ins.* vi. 473, 14. Conops petiolata, *Don. Brit. Ins.* xiii. 39, *pl.* 451.

a. England.

b. France.

c. South of France. Presented by F. Walker, Esq.

Conops vittata, *Fabr. Ent. Syst.* iv. 392, 4. *Syst. Antl.* 176, 7. *Schell. Gen. Mouch. pl.* 19, *f.* 1. *Latr. Gen. Crust.* iv. 336. *Meig. Klass. Zweif.* i. 278, 7, *pl.* 14, *f.* 4. *Dipt.* iv. 129, 12. *Macq. Hist. Nat. Dipt.* ii. 27, 13.

a. England.

Conops pusilla, *Meig. Dipt.* iv. 131, 14. *Macq. Hist. Nat. Dipt.* ii. 28, 17.

a. ——— ?

CONOPS annulipes, *Megerle, Meig. Dipt.* iv. 135, 20.
a. France. Presented by F. Walker, Esq.
b. France.
c. ——— ?

CONOPS excisa, *Wied. Auss. Zweif.* ii. 234, 1.
a. ——— ? Presented by the Entomological Club.
b. ——— ?

CONOPS sagittaria, *Say, Journ. Acad. Philad.* iii. 83, 2. C. nigricornis, *Wied. Auss. Zweif.* ii. 236, 4.
a. Nova Scotia. From Lieut. Redman's collection.

CONOPS æthiops, n. s. *Nigra, fronte fulvo, abdomine fasciis cinereo-pubescentibus ornato, segmentorum marginibus posticis ferrugineis, antennis nigris, articulo 3° piceo, pedibus fulvis, femoribus tibiis apice tarsisque posticis piceis, alis fuscis basi albido vittatis apice cinereo bimaculatis, marginibus posticis limpidis.*

Body black: head tawny in front: eyes red: mouth black: feelers black; second joint pubescent, nearly thrice the length of the first joint; third joint pitchy, spindle-shaped, about half the length of the second joint; fourth and following joints very short: abdomen very slender and slightly tapering for near half the length from the base, elliptical, broad and very convex from thence to the tip; hind borders of the segments ferruginous, adorned with bands of gray down: legs tawny; hips black, covered with white silky down; thighs pitchy; shanks slightly pitchy towards the tips; tips of the feet and nearly the whole of the hind feet pitchy; claws black; foot-cushions tawny: wings dark brown on the whole length and on more than half the breadth from the fore border, with the exception of a whitish streak at the base and of two gray spots near the tip; hind borders colourless; the brown hue forms an angle, which extends beyond the lower cross-vein nearly to the hind border; wing-ribs pitchy; veins black; poisers tawny, pitchy at the base. Length of the body 5—5½ lines; of the wings 8—9 lines.

a. North America. Presented by the Entomological Club.

CONOPS cruda, n. s. *Picea, capite flavo, abdominis fascia una ferruginea nonnullisque cano-pubescentibus, antennis piceis articulo 1° subtus fulvo, pedibus ferrugineis femoribus piceis, alis limpidis ad costam fuscis fulvoque vittatis.*

Body pitchy, slightly covered with hoary down: head yellow, pitchy behind and on the crown: eyes dark red: mouth pitchy: feelers pitchy; first joint tawny beneath; second joint pubescent,

full twice the length of the first; third joint tapering from near the base to the tip, a little shorter than the second; fourth and fifth joints very short; sixth joint tapering from the base to the tip, about twice the length of the fourth and of the fifth joints: abdomen slender and linear for about one-third of its length from the first segment, which is broader, spindle-shaped thence to the tip, adorned with a ferruginous band at the tip of its stalk, and with a band of hoary down on the hind border of each segment: legs ferruginous; hips, thighs, and tips of the feet pitchy: claws tawny, with black tips; foot-cushions pale yellow: wings colourless, brown, with a tawny streak along the fore borders; wing-ribs and veins pitchy; poisers tawny. Length of the body 6 lines; of the wings 9 lines.

a. ——— ?

CONOPS flavifrons, n. s. *Nigra, fronte flavo, antennis nigris articulo 1° apice ferrugineo, pedibus nigris, femoribus rufo fasciatis, tibiis tarsisque piceis, femoribus posticis basi fulvis, alis nigro-fuscis margine postico subfuscis.*

Body black: front of the head yellow: eyes black, bordered with red; facets on the fore part of the crown larger than those elsewhere: mouth black, with a ferruginous band: feelers black; first joint ferruginous at the tip; second joint pubescent, more than twice the length of the first; third and following joints short, and forming a club, which is pitchy, ferruginous at the base, and not half the length of the second joint: chest clothed with very short black hairs, very slightly covered with gray bloom: abdomen clothed like the chest and more than twice its length, linear for full one-third of its length, spindle-shaped from thence to the tip: legs black; hips and trochanters pitchy, covered with white silky down; an indistinct dark red band on each thigh; hind thighs tawny at the base; shanks and feet pitchy: wings very dark brown or almost black along the fore border on the whole length and for half the breadth, somewhat paler at the tips; hind borders slightly clouded with brown, which is darkest along the sides of the veins; wing-ribs and veins black; poisers tawny, with black tips. Length of the body 9 lines; of the wings 14 lines.

a. Para. Presented by J. P. George Smith, Esq.

CONOPS inhabilis, n. s. *Nigra, fronte fulvo, humeris fulvo maculatis, abdominis segmentorum marginibus posticis canis, antennis ferrugineis, articulo 1° subtus fulvo, pedibus fulvis, femoribus supra piceis, alis limpidis ad costam fuscis.*

Body black: head with a ferruginous mark on the crown, bright tawny in front: eyes pitchy, dark red on the sides of the

crown: mouth pitchy: feelers ferruginous; first joint tawny beneath; second joint much more than twice the length of the first; third joint conical, broad at the base, a little longer than the first; fourth and following joints very short: chest and breast partly covered with pale yellow down; a tawny spot on each shoulder: abdomen linear, but not very slender for about one-third of the length from the first segment, which is broader, spindle-shaped thence to the tip; hind borders of the segments hoary; a slight ferruginous mark on each side of the tip of the second segment; hind borders of the segments hoary: legs tawny: hips pitchy; thighs somewhat pitchy on the upper side; tips of the claws black: wings colourless, dark brown especially on the sides of the veins along the fore borders for nearly half the breadth; wing-ribs tawny; veins black, pitchy towards the base; poisers tawny, pitchy at the base. Length of the body 4½ lines; of the wings 6½ lines.

a. ——— ?

Conops maura, n. s. *Nigra, capite fulvo, thoracis humeris fulvo maculatis, scutello ferrugineo, abdomine fulvo quadrifasciato, antennis piceis, articulo 2° basi ferrugineo, pedibus piceis, femoribus basi ferrugineis, tibiis fulvis apice piceis, tarsis anterioribus fulvis, alis fulvo-fuscis, margine postico limpidis.*

Body black: head bright tawny, ferruginous on the crown, in front of which there is a black band and a black stripe, the latter reaches the base of the feelers: eyes pitchy, red above and along the inner border: mouth pitchy: feelers pitchy; second joint pubescent, more than twice the length of the first joint, ferruginous at the base; third joint shorter than the first, widened near the base, tapering thence to the tip: a tawny spot and a smaller spot of yellowish white down on each shoulder; scutcheon ferruginous: abdomen linear, and rather slender for near one-third of its length from the base, spindle-shaped thence to the tip, adorned with four dull tawny bands of down: legs pitchy; thighs ferruginous at the base: shanks tawny, with pitchy tips; four front feet tawny; claws black: wings tawny brown, especially along the borders of the veins for the whole length, and for more than half the breadth from the fore border, elsewhere colourless; the brown hue forms an angle, which extends over the lower cross-vein; wing-ribs ferruginous; veins pitchy; poisers tawny, pitchy at the base. Length of the body 6 lines; of the wings 10 lines.

a. ——— ?

CONOPS excerpta, n. s. *Nigra, fronte fulvo, thorace maculis abdomineque fasciis albo-pubescentibus ornatis, antennis nigris, pedibus piceis, tibiis basi fulvis, alis fuscis margine postico cinereis.*

Body black: head and chest partly covered with white silky down: head rugulose: front tawny, red on each side of the crown: mouth pitchy: feelers black; second joint pubescent, much longer than the first; third joint a little longer than the first; fourth and following joints very short: chest adorned on each side of the front with a patch of white down: abdomen slightly sessile, linear for more than one-fourth of its length from the base, spindle-shaped thence to the tip, adorned with three or four bands of white down, about twice the length of the chest: legs pitchy, clothed with very short black hairs; shanks covered with white silky down, tawny at the base; foot-cushions yellow: wings brown along the fore borders, especially by the borders of the veins for the whole length and for more than half the breadth, elsewhere gray; wing-ribs and veins pitchy; poisers pale yellow, pitchy at the base. Length of the body 6 lines; of the wings 11 lines.

a. ——— ?

CONOPS Bulbimus, n. s., fem.? *Atra, capite luteo flavoque quadrivittato, thorace luteo trimaculato, abdominis fasciis duabus apiceque luteis, antennis nigris, pedibus luteis, femoribus basi nigris, alis limpidis ad costam fuscis.*

Body deep black, velvety, thickly clothed with short black hairs: head adorned with two orange stripes above, and with two yellow stripes in front, and with a patch of golden hairs on each side of the front: mouth black: eyes dark red: feelers black, pubescent; first and second joints slightly club-shaped; second joint more than twice the length of the first; third joint broader than the first and the second at the base, tapering thence to the tip, hardly more than half the length of the second; fourth joint very short; fifth joint twice the length of the fourth; sixth joint still longer, tapering from the base to the tip: chest adorned with three large orange spots, one on each shoulder, and one behind the scutcheon: abdomen sessile, very slightly increasing in breadth from the base to the tip, rather less than twice the length of the chest, adorned with two broad orange bands, one near the base, the other near the tip, which is also orange: legs orange; fore thighs black at the base; four hinder thighs more slightly marked with black, which sometimes disappears on the hinder pair; foot-cushions pale yellow: tips of claws black: wings brown on half the breadth

from the fore border; wing-ribs and poisers pitchy; veins black. Length of the body 5—5½ lines; of the wings 9—10 lines.

a. New Holland. From Mr. Lambert's collection.

CONOPS aptata, n. s. *Atra, capite fulvo bivittato, luteo fulvoque quadrimaculato, thoracis margine flavo-cano pubescente, lateribus flavo-univittatis, abdomine luteo bifasciato vittisque duabus flavo-canis ornato, antennis nigris, pedibus nigris, alis cinereis, ad costam fuscis.*

Structure like that of *C. Bulbimus:* body black, velvety, thickly clothed with short black hairs: a bright orange spot on each side of the crown of the head blends with a broad tawny stripe on each side of the mouth, and there is also a tawny spot on each side beneath: eyes dark red: mouth and feelers black: an indistinct line of yellowish hoary down extends round the disk of the chest, which has also an oblique stripe of the same on each side: abdomen adorned with two orange bands, the one near the base becomes yellow on each side, the other near the tip is broader; there is an oblique yellowish hoary stripe on each side between them: legs black; thighs and shanks covered with yellowish hoary down; foot-cushions tawny: wings gray, brown along the fore borders; wing-ribs and veins black; poisers yellow, pitchy at the base. Length of the body 4½—5½ lines; of the wings 8—10 lines.

a. West Australia. From Mr. Clifton's collection.

CONOPS æquata, n. s. *Atra, capite flavo bivittato, thorace flavo quadrimaculato, abdomine flavo bifasciato vittisque duabus lateralibus ornato, antennis nigris, pedibus piceis, tibiis flavis, alis limpidis, ad costam fuscis cinereoque vittatis.*

Structure like that of *C. Bulbimus:* body black, velvety, thickly clothed with short black hairs: head adorned along each side of the mouth with a yellow stripe, between which and the eye there is a stripe of hoary down: eyes red: mouth and feelers black: chest adorned with four large yellow spots, one on each shoulder, and one on each side of the scutcheon: abdomen adorned with two yellow bands, the one near the base longer than the other which is near the tip and does not embrace the sides; there is a short oblique yellow stripe on each side between them: legs pitchy; shanks yellow, pitchy towards the tips; claws black; foot-cushions tawny: wings colourless, dark brown along half the breadth from the fore border, which has a narrow gray stripe along half its length from the base; wing-ribs and veins black; poisers yellow. Length of the body 4 lines; of the wings 7 lines.

a. West Australia. From Mr. Clifton's collection.

Conops inglorior, n. s. *Atra, capite flavo bivittato, abdomine luteo bifasciato, antennis nigris, pedibus rufis, femoribus nigris, alis limpidis ad costam fuscis.*

Structure like that of the preceding species: body black, velvety, thickly clothed with short black hairs: a yellow stripe diverges from the base of the feelers along each side of the mouth: eyes dark red: mouth and feelers black: two broad orange bands on the abdomen, one near the base, the other near the tip: legs red; thighs black, with red tips; feet pitchy towards the tips; foot-cushions yellow; tips of claws black: wings brown on half the breadth from the fore border; wing-ribs pitchy: veins black; poisers yellow, pitchy at the base. Length of the body 5 lines; of the wings 9 lines.

a. New Holland. From the Rev. J. Wenham's collection.

Zodion, *Fabricius.*

Zodion cinereum, *Meig. Dipt.* iv. 138, 1, *pl.* 37, *f.* 6, 7. *Desv. Essai. Myod.* 251, 1. *Macq. Hist. Nat. Dipt.* ii. 39, 1, *pl.* 13, *f.* 16. Myopa cinerea, *Fabr. Ent. Syst.* iv. 399, 9. *Syst. Antl.* 181, 12. *Fall. Conops.* 12, 7. M. tibialis, *Fabr. Syst. Antl.* 182, 16. Zodion conopsoides, *Latr. Gen. Crust.* iv. 337, *pl.* 15, *f.* 8. *Lam. Anim. sans Verteb.* iii. 396, 1.

a. England.
b. France.

Zodion notatum, *Meig. Dipt.* iv. 139, 2. *Desv. Essai. Myod.* 251, 2. *Macq. Hist. Nat. Dipt.* ii. 40, 2. M. irrorata, *Fabr. Syst. Antl.* 180, 7. M. tessellata, *Fabr. Syst. Antl.* 181, 11. M. notata, *Meig. Klass. Zweif.* 288.

a. France.

Zodion Occidensis, n. s., mas. *Fusco-cinereum, capite ferrugineo, abdominis segmentorum marginibus posticis pallidioribus, antennis ferrugineis, pedibus piceis, femoribus basi genubusque fulvis, alis subcinereis basi albidis.*

Body brownish gray, thinly clothed with short tawny hairs: head ferruginous, pitchy on the crown and behind, yellow about the mouth, thinly clothed with short hairs: eyes pitchy: sucker black: feelers ferruginous; first joint slender; second joint increasing in breadth from the base to the tip, much longer than the first; third joint linear, rounded at the tip, a little shorter than the second; bristle much shorter than the third joint: hind borders of the abdominal segments paler: legs pitchy, clothed with short black hairs; thighs towards the base, knees, foot-cushions and claws tawny; tips

of the claws black; wings slightly gray, whitish at the base; wing-ribs tawny; veins pitchy, tawny at the base; poisers yellow. Length of the body 1¾ lines; of the wings 3 lines.

a. Ohio. Presented by the Entomological Club.

MYOPA, *Latreille*.

Group I. *Meig. Dipt.* iv. 141, *A., pl.* 37, *f.* 16.

MYOPA picta, *Panz. Faun. Germ.* 54, 22. *Meig. Dipt.* iv. 141, 1. *Desv. Essai. Myod.* 242, 1. *Macq. Hist. Nat. Dipt.* ii. 31, 1.
a. England.
b. France.

MYOPA buccata, *Fabr. Sp. Ins.* ii. 469, 5. *Ent. Syst.* iv. 398, 5. *Syst. Antl.* 179, 5. *Fall. Conops.* 10, 1. *Meig. Dipt.* iv. 142, 2. *Desv. Essai. Myod.* 242, 2. *Macq. Hist. Nat. Dipt.* ii. 31, 2. *Zett. Ins. Lapp.* 619, 1. Conops buccata, *Linn. Syst. Nat.* ii. 1006, 11. *Faun. Suec.* 1905.
a. England.
b. France.

MYOPA testacea, *Fabr. Ent. Syst.* iv. 398, 4. *Syst. Antl.* 179, 4. *Latr. Gen. Crust.* iv. 337. *Fall. Conops.* ii. 3. *Meig. Dipt.* iv. 142, 3. *Desv. Essai. Myod.* 243, 3. *Macq. Hist. Nat. Dipt.* ii. 32, 3. *Zett. Ins. Lapp.* 649, 2. Conops testaceus, *Linn. Syst. Nat.* ii. 1006. C. buccata, *Gmel. Ed. Syst. Nat.* v. 2895. Myopa pictipennis, *Desv. Essai. Myod.* 243, 6.
a. England.
b. France.

MYOPA dorsalis, *Fabr. Ent. Syst.* iv. 397, 6. *Syst. Antl.* 178, 1. *Fall. Conops.* 10, 2. *Latr. Gen. Crust.* iv. 337. *Schell. Gen. Mouch. pl.* 20, *f.* 1, 2. *Meig. Klass. Zweif.* i. 290, *a*. *Desv. Essai. Myod.* 245, 11. *Macq. Hist. Nat. Dipt.* ii. 32, 5. M. testacea, *Fabr. Sp. Ins.* ii. 468, 2. M. ferruginea, *Panz. Faun. Germ.* 22, 24. M. grandis, *Meig. Klass. Zweif.* i. 284, 1. M. dembripennis? *Desv. Essai. Myod.* 243, 4. Conops testacea, *Gmel. Ed. Syst. Nat.* v. 2894, 11.
a. France.

MYOPA pellucida, *Desv. Essai. Myod.* 244, 7.
a. France.

MYOPA ferruginea, *Fabr. Sp. Ins.* ii. 468, 1. *Ent. Syst.* iv. 397, 2. *Syst. Antl.* 178, 2. *Fall. Conops.* 12, 5. *Latr. Gen. Crust.* iv. 337. *Cons. Gén.* 444. *Macq. Hist. Nat. Dipt.* ii. 342, 6, *pl.* 13, *f.* 13. *Zett. Ins. Lapp.* 620, 3. Conops ferruginea, *Linn. Faun. Suec.* 1907. *Gmel. Ed. Syst. Nat.* v. 2894, 8. Asilus, &c., *Geoff. Ins.* ii. 473, 14.

a. France.

MYOPA fasciata, *Meig. Klass. Zweif.* i. 286, 4. *Dipt.* iv. 144, 6. *Desv. Essai. Myod.* 244, 8. *Macq. Hist. Nat. Dipt.* ii. 33, 7. M. ephippium, *Fabr. Syst. Antl.* 180, 8.

a. France.

MYOPA atra, *Fabr. Sp. Ins.* ii. 469, 3. *Ent. Syst.* iv. 397, 3. *Syst. Antl.* 179, 3. *Fall. Conops.* 12, 6. *Latr. Gen. Crust.* iv. 337. *Panz. Faun. Germ.* 12, 24. *Schell. Gen. Mouch. pl.* 20, *f.* 3. *Meig. Klass. Zweif.* i. 289, 12. *Dipt.* iv. 146, 9. *Desv. Essai. Myod.* 247, 18. *Macq. Hist. Nat. Dipt.* ii. 35, 15. M. annulata, *Fabr. Ent. Syst.* iv. 399, 10. *Syst. Antl.* 181, 13. M. femorata, *Fabr. Syst. Antl.* 181, 14. M. cinerascens, *Meig. Klass. Zweif.* i. 287, 6. M. maculata, *Meig. Klass. Zweif.* i. 287, 7. M. micans, *Meig. Klass. Zweif.* i. 288, 8.

a. England.
b. France.

MYOPA bicolor, *Megerle, Meig. Dipt.* iv. 147. *Desv. Essai. Myod.* 247, 16. *Macq. Hist. Nat. Dipt.* i. 34, 13.

a. France.

MYOPA pallipes, *Megerle, Meig. Dipt.* iv. 149, 15. *Desv. Essai. Myod.* 248, 19. *Macq. Hist. Nat. Dipt.* ii. 35, 14. M. atra, var.?

a. France.

MYOPA fulvifrons. Zodion fulvifrons, *Say, Journ. Acad. Philad.* iii. 83, 1. *Wied. Auss. Zweif.* ii. 241, 1. Myopa rubifrons, *Desv. Essai. Myod.* 247, 17.

a. Georgia. From Mr. Abbot's collection.
b. North America. Presented by the Entomological Club.

MYOPA americana. Zodion americana? *Wied. Auss. Zweif.* ii. 242, 3.

a. North America. Presented by the Entomological Club.

MYOPA vicaria, n. s. *Ferruginea, capite fulvo, thoracis disco piceo, abdomine maculis cano-pubescentibus ornato, antennis pedibusque ferrugineis, tarsis fulvis, alis fulvo cinereoque variis, venis transversis fusco nebulosis.*

Body ferruginous, clothed with black hairs: head tawny, clothed with black hairs, very large, pale yellow, and covered with whitish hairs about the mouth: eyes pitchy: mouth black: feelers ferruginous; first and second joints clothed with short black hairs; bristle pitchy towards the tip: disk of the chest pitchy: abdomen longer than the chest, adorned with patches of hoary down: legs ferruginous, slightly covered with white bloom, clothed with black hairs; feet tawny; claws black, tawny at the base; foot-cushions yellow: wings tawny along the borders of the veins; disks of the areolets slightly gray; wing-ribs and poisers pale tawny; veins tawny; cross-veins clouded with brown. Length of the body 3 lines; of the wings 5½ lines.

a. Nova Scotia. From Lieut. Redman's collection.

MYOPA apicalis, n. s. *Ferruginea, capite flavo, abdomine piceo, albo pubescente, lateribus ventreque ferrugineis, antennis ferrugineis, pedibus fulvis, femoribus tibiisque piceo fasciatis, alis subfulvis.*

Head yellow, pitchy and partly ferruginous above: eyes pitchy: mouth dark ferruginous: feelers ferruginous; second joint and bristle paler: chest and breast dark ferruginous: abdomen pitchy, dark ferruginous on each side and beneath, covered with hoary down on each side, especially towards the tip, where the down forms a short and slight streak on the back: legs tawny; hips ferruginous; a broad pitchy band across each thigh and shank; tips of claws black: wings slightly tawny, especially along the borders of the veins; wing-ribs and veins tawny; poisers yellow. Length of the body 4 lines; of the wings 8 lines.

a. North America. Presented by the Entomological Club.

MYOPA bistria, n. s., mas. *Fulvo-cinerea, capite flavo-albo, abdomine fulvo, basi ferrugineo, segmento 3° vittis duabus fuscis, apice nigro, antennis ferrugineis, pedibus fulvis, femoribus nigris, tibiis plerumque piceis, alis cinereis.*

Head yellowish white, pitchy about the eyelets, bright tawny from thence to the feelers: eyes pitchy: mouth black: feelers ferruginous: chest tawny-gray, beset with black bristles; breast somewhat paler: abdomen pale tawny, thinly clothed with short tawny hairs, longer than the chest; first segment ferruginous; two brown

stripes on the back of the third segment; tip black, clothed with hoary hairs: legs tawny; hips and thighs black; shanks mostly pitchy; tips of claws black: wings gray; wing-ribs tawny; veins black; scales white; poisers pale tawny. Length of the body 3 lines; of the wings 4½ lines.

a. North America. Presented by the Entomological Club.

Group II. *Meig. pl.* 37; *f.* 17. Dalmannia, *Desvoidy*.

MYOPA punctata, *Fabr. Ent. Syst.* iv. 398, 6. *Syst. Antl.* 181, 9. *Latr. Gen. Crust.* iv. 338. *Meig. Dipt.* iv. 151, 18. M. virens, *Fall. Conops.* 13, 8. *Meig. Klass. Zweif.* i. 289, 11. Dalmannia punctata, *Desv. Essai. Myod.* 249, 3. Stachynia punctata, *Macq. Hist. Nat. Dipt.* ii. 37, 4.

a. Ukraine. Presented by Dr. Dowler.

STYLOGASTER, *Macquart*.

STYLOGASTER stylatus, *Macq. Hist. Nat. Dipt.* ii. 39, 1. Conops stylatus, *Fabr. Syst. Antl.* 177, 11. Myopa biannulata, *Say, Journ. Acad. Philad.* iii. 81, 3. M. stylata, *Wied. Auss. Zweif.* ii. 243, 2.

a. ——— ?

Fam. XIX. STOMOXYDÆ.

SIPHONA, *Meigen*.

SIPHONA ——— ? S. geniculata, *Meig. Dipt.* iv. 155, 1. *Desv. Essai. Myod.* 91, 1. *Macq. Hist. Nat. Dipt.* ii. 93, 1, *pl.* 14, *f.* 6. Musca urbanus? *Harr. Ex.* 153, *pl.* 45, *f.* 85.

a. England.

b. France.

SIPHONA geniculata, *Zett. Ins. Lapp.* 620, 1. S. tachinaria, *Meig. Dipt.* iv. 156, 3. *Macq. Hist. Nat. Dipt.* ii. 94, 3. Musca geniculata, *Deg. Ins.* vi. 20, 15, *pl.* 2, *f.* 19—23. Stomoxys minuta, *Fabr. Syst. Antl.* 282, 17, fem. S. cristata, *Fabr. Syst. Antl.* 281, 9, mas. S. geniculata, *Fall. Hæmat.* 5, 2. Bucentes cinereus, *Latr. Gen. Crust.* iv. 339. *Cons. Gén.* 444. *Lam. Anim. sans Verteb.* iii. 394, 1.

a. England.

b. France.

STOMOXYS, *Geoffroy.*

Group I. *Meig. Dipt.* iv. 160, *B.* Prosena, *St. Farg. et Serv.*

STOMOXYS siberita, *Fabr. Sp. Ins.* ii. 467, 3. *Ent. Syst.* iv. 394, 4. *Syst. Antl.* 280, 4. *Gmel. Ed. Syst. Nat.* v. 2891, 2. *Schell. Gen. Mouch. pl.* 17, *f.* 2. *Latr. Gen. Crust.* iv. 339. *Fall. Hæmat.* 5, 1. *Meig. Dipt.* iv. 160, 2, *pl.* 38, *f.* 1—4. *Curt. Brit. Ent.* 665. S. irritans, *Panz. Faun. Germ.* 5, 24. *Lam. Anim. sans Verteb.* iii. 395, 2. S. longipes, *Gmel. Ed. Syst. Nat.* v. 2892, mas. S. grisea, *Fabr. Syst. Antl.* 279, fem. Prosena siberita, *St. Farg. et Serv. Encyl. Meth.* x. 500. *Desv. Essai. Myod.* 317, 1. *Macq. Hist. Nat. Dipt.* ii. 208, 1, *pl.* 15, *f.* 14.

a. England.
b. France.

Group II. *Meig. Dipt.* iv. 160, *C.*

STOMOXYS calcitrans, *Geoff. Ins.* ii. 539, 1, *pl.* 18, *f.* 2. *Schell, Gen. Mouch. pl.* 17, *f.* 1. *Schrank, Faun. Boic.* iii. 2563. *Fabr. Sp. Ins.* ii. 467, 4. *Ent. Syst.* iv. 394, 5. *Syst. Antl.* 280, 5. *Gmel. Ed. Syst. Nat.* v. 2891, 4. *Fall. Hæmat.* 6, 3. *Latr. Gen. Crust.* iv. 338. *Cons. Gén.* 444. *Meig. Dipt.* iv. 160, 3. *Macq. Hist. Nat. Dipt.* ii. 242, 1, *pl.* 16, *f.* 6. *Desv. Myod.* 386, 1. *Zett. Ins. Lapp.* 621, 1. *Guer. Icon. Regn. Anim. Ins. pl.* 101, *f.* 8. Conops calcitrans, *Linn. Faun. Suec.* 1900. *Schrank, Ins. Austr.* 990. Stomoxys tessellata, *Fabr. Ent. Syst.* iv. 395, 6. *Syst. Antl.* 281, 7. Musca pungens, *Deg. Ins.* vi. 39, 11, *pl.* 4, *f.* 12—18.

a. England.

Group III. Hæmatobia, *Desvoidy.*

STOMOXYS stimulans, *Meig. Dipt.* iv. 161, 4, *pl.* 38, *f.* 8—10. *Zett. Ins. Lapp.* 621, 2. S. irritans, *Fabr. Sp. Ins.* ii. 468, 4. *Ent. Syst.* iv. 395, 7. *Syst. Antl.* 281, 10. *Gmel. Ed. Syst. Nat.* v. 2892, 5. *Latr. Gen. Crust.* iv. 338. *Fall. Hæmat.* 7, 4. Hæmatobia stimulans, *Macq. Hist. Nat. Dipt.* ii. 243, 1, *pl.* 16, *f.* 7.

a. England.

STOMOXYS irritans, *Meig. Dipt.* iv. 162, 5. *Zett. Ins. Lapp.* 621, 3. Conops irritans, *Linn. Faun. Suec.* 1901. Stomoxys pungens, *Fabr. Ent. Syst.* iv. 395, 9. *Syst. Antl.* 282, 12. *Gmel. Ed.*

Syst. Nat. v. 2892, 6. *Fall. Hæmat.* 7, 5. Hæmatobia geniculata, *Desv. Myod.* 388, 2. H. irritans, *Macq. Hist. Nat. Dipt.* ii. 243, 3.

a. England.

Group IV. Glossina, *Wiedemann.*

Bristles of the feelers thick, beautifully adorned with feathered hairs springing from the base of the third joint, which is long and slightly curved, especially at the tip: an additional vein in the disk of the wing.

STOMOXYS fuscus, n. s. *Fuscus, capite fulvo, thoracis lateribus margineque postico fulvidis, pectore cano, abdomine fulvo apice fusco, antennis pedibusque fulvis, alis fusco-fulvis.*

Body light brown, clothed with short black hairs: head and chest beset with some black bristles: head tawny: eyes pitchy; fore part flat, its facets much larger than those elsewhere: mouth pitchy, thickly clothed with short black hairs: feelers tawny: sides and hind part of the chest somewhat tawny: breast hoary: abdomen oval, tawny, brown towards the tip, paler beneath: legs tawny, clothed with short black hairs; tips of claws black; foot-cushions pale tawny: wings brownish tawny; wing-ribs tawny; veins brown; poisers yellow. Length of the body 5½ lines; of the wings 12 lines.

a. ——— ?

STOMOXYS longipalpis? Glossina longipalpis? *Wied. Auss. Zweif.* ii. 254, *pl.* 9, *f.* 10. *Macq. Dipt. Exot.* ii. 3*me Ptie.* 113, 1, *pl.* 14, *f.* 1. Nemorhina palpalis? *Desv. Essai. Myod. Cinereus, capite flavo-fusco, thorace fusco vittato, abdomine cinereo-fusco, antennis piceis, pedibus fulvis, femoribus subcinereis, alis fuscis.*

Body clothed with short black hairs: head yellowish brown, clothed on the crown with short black hairs: eyes black; facets on the fore part larger than those elsewhere: mouth pitchy, thickly clothed with short black hairs; sucker tawny: feelers pitchy: chest dark gray, indistinctly striped with brown; breast paler: abdomen brown, with a slight gray tinge, sometimes with an indistinct paler stripe on the back: legs tawny, clothed with short black hairs; thighs slightly gray; claws black; foot-cushions pale tawny: wings brown; wing-ribs tawny; veins black; poisers yellow. Length of the body 3—3½ lines; of the wings 8—9 lines.

a. Congo.

Fam. XXII. Œstracides.

Cuterebra, *Clark*.

Cuterebra americana. Musca americana, *Fabr. Syst. Ent.* 774, 6. *Ent. Syst.* iv. 315, 14. *Syst. Antl.* 288, 21. Cuterebra Cauterium, *Clark*, *Essay*, *Bots.* 70, *pl.* 2, *f.* 3. Trypoderma americana, *Wied. Auss. Zweif.* ii. 258, 3.

a. North America. Presented by the Entomological Club.

d. Nova Scotia. From Lieut. Redman's collection.

Cuterebra horripilum, *B. Clark*, *Essay*, *Bots.* 70, *pl.* 2, *f.* 27. Trypoderma horripilum, *Wied. Auss. Zweif.* ii. 257, 2.

a. Nova Scotia. From Lieut. Redman's collection.

b. ———?

Cuterebra terrisona, n. s. *Nigra, subtus pilis nigris vestita, capite maculis albo-pubescentibus ornato, thorace utrinque fascia obliqua flavo-pubescente, antennis nigris, seta alba basi nigra, alis nigris.*

Body black, shining, clothed beneath with short black hairs: head slightly furrowed on the crown, adorned on each side with long triangular spots of whitish down, radiating from the inner side of the eyes: eyes pitchy: feelers black; bristle white, and feathered with white hairs, black towards the base: an oblique band of pale yellow hairs on each side of the chest, whose hind part is dark ferruginous: underside of the abdomen partly covered with yellowish white bloom: legs black, thickly clothed with short black hairs: wings, wing-ribs, veins, and poisers black. Length of the body 11 lines; of the wings 20 lines.

a. Guatimala. From M. Sallé's collection.

Œstrus, *Linneus*.

Œstrus ovis, *Linn. Syst. Nat.* ii. 970. *Faun. Suec.* 1734. *Gmel. Ed. Syst. Nat.* v. 2811, 5. *Fabr. Sp. Ins.* ii. 399, 6. *Ent. Syst.* iv. 232, 8. *Syst. Antl.* 230, 10. *Reaum. Ins.* iv. *Mem.* 12, *pl.* 35, *f.* 10—25. *Geoff. Ins.* ii. 456, 2, *pl.* 17, *f.* 1. *Herbst, Gem. Nat.* viii. 97, *pl.* 64, *f.* 3. *Fisch. Dit. Cont.* iii. *pl.* 2, *f.* 1—5. *Schrank, Faun. Boic.* iii. 2289. *Ins. Austr.* 843. *Berk. Syn.* i. 160. *Clark, Linn. Trans.* iii. 313, *pl.* 23, *f.* 14—17. *Essay, pl.* 2, *f.* 16, 20. *Stew, El.* ii. 249. *Turt.* iii. 582. *Don. Brit. Ins.* xvi. 19, 550. *Shaw, Gen. Zool.* vi.

364, *pl.* 102, *f. inf.* *Leach, Eprob. Ins.* 1. *Bingl. Zool.* iii. 309. *Latr. Gen. Crust.* iv. 341. *Fall. Hæmat.* 9, 1. *Meig. Dipt.* iv. 166, 1. Cephalemyia ovis, *Clark, Œstr. pl.* 11. *Macq. Hist. Nat. Dipt.* ii. 51, 1, *pl.* 13, *f.* 21. *Guer. Icon. Regn. Anim. Ins. pl.* 101, *f.* 4. Œstrus pectus, *Kellner, Ent. Zeit. Stettin*, viii. 366.

a. England.
b. France.
c. Georgia. From Mr. Abbot's collection.
d. Madras. Presented by Walter Elliot, Esq.

Œstrus Bovis, *Fabr. Ent. Syst.* iv. 231, 3. *Syst. Antl.* 228, 3. *Modeer, Act. Holm.* 1786. *Svensk. Zool.* 4. *Reaum. Ins.* iv. *Mem.* 12, *pl.* 37, 38. *Geoff. Ins.* ii. 456, 1. *Fisch. Dissert. Cont.* iii. *pl.* 2, *f.* 6—12, *pl.* 3, 4. *Deg. Ins.* vi. 119, 2, *pl.* 15, *f.* 22. *Schrank, Faun. Boic.* iii. 2288. *Latr. Gen. Crust.* iv. 342. *Stew, El.* ii. 21, 8. *Turt.* iii. 581. *Clark, Linn. Trans.* iii. 291, *pl.* 25, *f.* 1—6. *Essay, pl.* 2, *f.* 1—10. *Shaw, Gen. Zool.* vi. 358, *pl.* 102, *f. sup.* *Bingl. Zool.* iii. 304. *Leach, Eprobosc. Ins. Suppl.* 2. *Meig. Dipt.* iv. 167, 2. *Zett. Ins. Lapp.* 623, 3. O. hæmorrhoidalis, *Linn. Faun. Suec.* 1734. Hypoderma Bovis, *Clark, Œstr. pl.* 2, *f.* 1—10. *Macq. Hist. Nat. Dipt.* ii. 48, 1, *pl.* 18. *Dipt. Nord.* 197, 1, *pl.* 6, *f.* 3. *Guer. Icon. Regn. Anim. Ins. pl.* 101, *f.* 3.

a. England.
b. France.

Œstrus Tarandi, *Linn. Faun. Suec.* 1731. *Modeer. Act. Holm.* 1786. *Gmel. Ed. Syst. Nat.* v. 2810, 2. *Fabr. Sp. Ins.* ii. 398, 3. *Ent. Syst.* iv. 231, 5. *Syst. Antl.* 229, 5. *Fall. Hæmat.* 10, 3. *Meig. Dipt.* iv. 169, 3, *pl.* 38, *f.* 15. *Zett. St. Lapp.* 1821, 2, 39, 40. *Ins. Lapp.* 622, 2. *Laestad, Journ.* 1831, 447. Œdemagena Tarandi, *Clark, Œstr. pl.* 2, *f.* 13—14. *Macq. Hist. Nat. Dipt.* ii. 49, 1, *pl.* 13, *f.* 19. *Guer. Icon. Regn. Anim. Ins. pl.* 101, *f.* 3.

a. Lapland.
b. Lapland. Presented by the Entomological Club.
c. Lapland. Presented by F. Walker, Esq.
d. Lapland. Presented by F. Walker, Esq.

Œstrus Trompe, *Modeer. Act. Holm.* 1786. *Fabr. Ent. Syst.* iv. 231, 6. *Syst. Antl.* 229, 6. *Fall. Hæmat.* 10, 2. *Latr. Gen. Crust.* iv. 342. *Coq. Icon. pl.* 23, *f.* 1. *Panz. Faun. Germ.* 107, 20. *Fischer, Dissert. Cont.* ii. 78, 3. *Fall. Hæmat.* 10, 2. *Læstad. Journ.* 1831, 447. *Meig. Dipt.* iv. 17, *D.* 5, *pl.* 38, *f.*

13. *Zett. St. Lapp.* 1821, 2, 39. *Ins. Lapp.* 622, 1. *Kellner, Ent. Zeit. Stettin,* 1847, viii. 366. Cephenemyia Trompe, *Macq. Hist. Nat. Dipt.* ii. 50, 1, *pl.* 13, *f.* 20.

a. France.

b. ——— ? From Mr. Children's collection.

ŒSTRUS phobifer, *B. Clark, Essay, Bots. pl.* 2, *f.* 30. *Wied. Auss. Zweif.* ii. 255, 1.

a. ——— ?

ŒSTRUS Clarkii, *Shuckard, Linn. Trans.* xix. 93.

a. Cape. Presented by W. E. Shuckard, Esq.

ŒSTRUS supplens, n. s., mas et fem. *Piceus, capite ad oculos fulvo, pilis flavis vestito, vertice pilis fulvis vestito, thorace abdominisque apice pilis fulvis hirtis, thorace postico abdominisque basi pilis flavo-albis hirtis, abdomine pilis nigris fasciato, antennis ferrugineis, pedibus piceis, tibiis ferrugineis, tarsis fulvis, alis subfuscis.*

Body pitchy: head tawny about the eyes, thickly clothed with pale yellow hairs, and on the crown with dark tawny hairs: eyes pitchy: feelers ferruginous; bristle pitchy, pale tawny at the base: chest clothed with tawny hairs; its hind part and the breast clothed with yellowish white hairs: abdomen adorned with three broad hairy bands; the first band at the base composed of yellowish white hairs, the second of black hairs, the third of bright tawny hairs: legs pitchy, clothed with black hairs; hips and thighs towards the base clothed with yellowish white hairs; knees and feet tawny; feet towards the tips and shanks ferruginous; claws ferruginous, with black tips: wings slightly tinged with brown; wing-ribs and veins pitchy; poisers tawny. Length of the body 5½—6 lines; of the wings 10—11 lines.

a. Nova Scotia. From Lieut. Redman's collection.

b. ——— ?

GASTRUS, *Meigen.*

GASTRUS Equi, *Meig. Dipt.* iv. 175, 1, *pl.* 38, *f.* 21, 22. Gasterophilus Equi, *Leach, Eprobosc. Ins.* 2. *Zett. Ins. Lapp.* 623, 1. Œstrus Bovis, *Linn. Syst. Nat.* ii. 969. *Faun. Suec.* 1730. *Fabr. Sp. Ins.* ii. 398, 2. *Herbst, Germ. Nat.* viii. 94, *pl.* 64, *f.* 1. *Geoff. Ins.* ii. 456, 3. *Schrank, Ins. Austr.* 842. *Berk. Syn.* i. 160. *Sam. Ent. Comp.* 70, *pl.* 9, *f.* 1. *Dalhb. Scand. Ins. Lund.* 1837. O. vituli, *Fabr. Ent. Syst.* iv. 231, 4.

Schell. Gen. Mouch. pl. 21. O. hæmorrhoidalis, *Gmel. Ed. Syst. Nat.* v. 2810, 4. *Schrank, Faun. Boic.* iii. 2286. O. intestinalis, *Deg. Ins.* vi. 117, 1, *pl.* 15, *f.* 13—19. O. Equi, *Fabr. Syst. Antl.* 228, 4. *Svensk. Zool.* 4. *Fischer, Dissert. Cont.* ii. *pl.* 2—4. *Clark, Œstr. pl.* 1, *f.* 13, 14. *Latr. Gen. Crust.* iv. 341. *Cons. Gén.* 444. *Clark, Linn. Trans.* iii. 298, *pl.* 23, *f.* 7—9. *Essay, pl.* 1, *f.* 1—16. *Stew, El.* ii. 248. *Turt.* iii. 581. *Shaw, Gen. Zool.* vi. 359, *pl.* 102, *f. med. Bingl. Zool.* iii. 306. *Wood, Linn. Gen. Ins.* ii. 81, 63. *Stark, El. Nat. Hist.* ii. 388. *Fall. Hæmat.* 13, 8. *Macq. Dipt. Nord.* 93, 1, *pl.* 6, *f.* 1. *Hist. Nat. Dipt.* ii. 52, 1, *pl.* 13, *f.* 23. *Guer. Icon Regn. Anim. Ins. pl.* 101, *f.* 6.

a. England.
b. France.
c. Switzerland.
d. Hungary.
e. North America. Presented by the Entomological Club.
f. Illinois.
g. Nova Scotia. From Lieut. Redman's collection.

Gastrus Pecorum, *Meig. Dipt.* iv. 176, 2, *pl.* 38, *f.* 23. *Zett. Ins. Lapp.* 623, 2. Œstrus Pecorum, *Fabr. Ent. Syst.* iv. 230, 2. *Syst. Antl.* 228, 2. *Fall. Hæmat.* 12, 5. *Macq. Hist. Nat. Dipt.* ii. 53, 2.

a. Jamaica.

Gastrus flavipes, *Encyl. Meth.* viii. 12. *Macq. Hist. Nat. Dipt.* ii. 54, 6.

a. ———?

Gastrus salutaris, *Meig. Dipt.* iv. 176, 3. Œstrus salutaris, *Clark, Œstr. pl.* 1, *f.* 35, 36. *Macq. Hist. Nat. Dipt.* ii. 53, 3.

a. England.

Gastrus nasalis, *Meig. Dipt.* iv. 178, 5. Œstrus nasalis, *Linn. Faun. Suec.* 1732. *Gmel. Ed. Syst. Nat.* v. 2810, 3. *Fabr. Sp. Ins.* ii. 399, 4. *Deg. Ins.* vi. *pl.* 15, *f.* 20, 21. *Panz. Faun. Germ.* 107, 21. *Schrank, Faun. Boic.* iii. 2287. *Macq. Hist. Nat. Dipt.* ii. 54, 5. O. Equi, *Fabr. Ent. Syst.* iv. 232, 7. O. veterinus, *Fabr. Syst. Antl.* 230, 8. *Fall. Hæmat.* 12, 6. *Clark, Œstr. pl.* 1, *f.* 26, 27. Gastrus Clarkii, *Meig. Dipt.* iv. 180, 8. Gasterophilus Clarkii, *Leach, Arrang. Œstr. Ins.* 2.

a. England.

GASTRUS Selysi Cartier, *Guerin, Mag. Zool.*
a. Liege. Presented by M. Selys de Longchamps.

GASTRUS hæmorrhoidalis, *Meig. Dipt.* iv. 177, 4. Œstrus hæmorrhoidalis, *Linn. Syst. Nat.* ii. 970, 4. *Faun. Suec.* 1733, *Fabr. Syst. Antl.* 229, 7. *Fall. Hæmat.* 13, 7. *Clark, Œstr. pl.* 1, *f.* 21, 22. *Macq. Hist. Nat. Dipt.* ii. 54, 5. O. Equi, var., *Fabr. Ent. Syst.* iv. 232, 7. *Sp. Ins.* ii. 399, 5. O. Bovis, *Gmel. Ed. Syst. Nat.* v. 2809, 1.
a. England.

GASTRUS subjacens, n. s., mas. et fem., *Ferrugineus, pilis aureis vestitus, abdomine pilis fuscis fasciato, basi albido piloso, antennis fulvis, pedibus ferrugineis, tarsis fulvis, alis albidis.*

Body ferruginous: head and chest thickly clothed with golden hairs; hairs on the crown of the head darker and thinner: eyes pitchy: feelers tawny: breast and base of the abdomen clothed with yellowish white hairs: a band of dark brown hairs across the middle of the abdomen, which from thence to the tip is clothed with golden hairs: legs ferruginous, clothed with tawny hairs; feet tawny; foot-cushions and claws pale yellow; tips of the claws black: wings whitish; wing-ribs pitchy; veins pale yellow; poisers yellow. Length of the body 5½—6 lines; of the wings 10 lines.

a. North America. Presented by the Entomological Club.
b. Nova Scotia. From Lieut. Redman's collection.

ADDENDUM.

CONOPS Bulbimus, *Walker, p.* 674 = Conops aurosa, *Newman, Entom.* 222.

E. NEWMAN, PRINTER, 9, DEVONSHIRE STREET, BISHOPSGATE.

LIST

OF THE

SPECIMENS

OF

DIPTEROUS INSECTS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

PART IV.

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1849.

LONDON:
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synonymes, and the description, if it appeared to have been before undescribed.

The Catalogue of Dipterous Insects has been prepared and the new species described, by Mr. FRANCIS WALKER, so well known for his attention to this order of Insects.

JOHN EDWARD GRAY.

British Museum,
December, 1849.

LIST OF DIPTERA.

PART IV.

Sub-order I.—PROBOSCIDEÆ.

Family XXIII. MUSCIDÆ.

PHASIA, *Latreille.*

Group I. *Meig. Dipt.* iv. *pl.* 39, *f.* 15.

PHASIA crassipennis, *Latr. Gen. Crust.* iv. 345. *Coq. Icon. pl.* 23, *f.* 11. *Meig. Dipt.* iv. 186, 1. *Desv. Essai. Myod.* 290, 1. *Macq. Hist. Nat. Dipt.* ii. 198, 1. *Duf. Ann. Soc. Ent. Fr.* 2*me série* vi. 427. P. analis, *Meig. Dipt.* iv. 187, 2. Syrphus crassipennis, *Fabr. Ent. Syst.* iv. 284, 23. Thereva crassipennis, *Fabr. Ent. Syst. Suppl.* 560, 3. *Syst. Antl.* 218, 3. *Panz. Faun. Germ.* 74, 15. Musca crassipennis, *Lam. Anim. sans Verteb.* iii. 363, 11. T. analis, *Fabr. Ent. Syst. Suppl.* 561, 5. *Syst. Antl.* 219, 7. *Panz. Faun. Germ.* 74, 17. Musca dimidiata, *Panz. Faun. Germ.* 60, 17.

a. England.
b. France.
c. Italy. Presented by Signor Passerini.

PHASIA helva, *Wied. Zool. Mag.* ii. 45. *Auss. Zweif.* ii. 262, 1. *Desv. Essai. Myod.* 291, 3.

a. Cape.

Group II. *Meig. Dipt.* iv. *pl.* 39, *f.* 13. Alophora, *Desvoidy.*

Phasia hemiptera, *Latr. Gen. Crust.* iv. 345. *Meig. Dipt.* iv. 191, 8. *Zett. Dipt. Scand.* iii. 1246, 2. Syrphus subcoleoptratus, *Fabr. Sp. Ins.* ii. 423, 12. S. hemipterus, *Fabr. Ent. Syst.* iv. 284, 22. S. affinis, *Fabr. Ent. Syst.* iv. 284, 24. Thereva hemiptera, *Fabr. Ent. Syst. Suppl.* 560, 2. *Syst. Antl.* 218, 2. T. affinis, *Ent. Syst. Suppl.* 560, 4. *Syst. Antl.* 218, 4. *Panz. Faun. Germ.* 74, 16. Musca subcoleoptrata, *Gmel. Ed. Syst. Nat.* v. 2869, 335. *Lam. Anim. sans Verteb.* iii. 363, 10. Thereva subcoleoptrata, *Panz. Faun. Germ.* 74, 13, 14. *Schell. Gen. Mouch. pl.* 2, *f.* 2 *Schæff. Icon. pl.* 71, *f.* 6. Musca tristis, *Herbst. Gem. Nat.* viii. 110, *pl.* 64, 5. Alophora hemiptera, *Desv. Essai. Myod.* 295, 2. *Macq. Dipt. Nord.* 7.284, 1. *Hist. Nat. Dipt.* ii. 202, 2.

a. England.
b. France.

Group III. Hyalomyia, *Desvoidy.*

Phasia violacea, *Meig. Dipt.* iv. 193, 10. Hyalomyia violacea, *Macq. Hist. Nat. Dipt.* ii. 203, 2.

a. France.

Phasia obesa, *Latr. Gen. Crust.* iv. 345. *Meig. Dipt.* iv. 194, 13. Thereva obesa, *Fabr. Ent. Syst. Suppl.* 561, 6. *Syst. Antl.* 219, 6. Hyalomyia obesa, *Desv. Essai. Myod.* 299, 3. *Macq. Hist. Nat. Dipt.* ii. 203, 4.

a. France.

Phasia muscaria, *Meig. Dipt.* iv. 196, 18. *Zett. Ins. Lapp.* 626, 1. *Dipt. Scand.* iii. 1248, 3. Thereva muscaria, *Fall. Rhizom.* 3, 2. Alophora muscaria, *Meig. Dipt.* vii. 384, 17. Phasia cinerea, *Meig. Dipt.* iv. 198, 22. Thereva cinerea, *Fabr. Syst. Antl.* 221, 13. Hyalomyia cinerea, *Macq. Hist. Nat. Dipt.* ii. 204, 8, *pl.* 15, *f.* 13. Alophora cinerea, *Meig. Dipt.* vii. 284, 19.

a. England.
b. France.

Phasia pusilla, *Hoffmansegg, Meig. Dipt.* iv. 198, 23. *Zett. Dipt. Scand.* iii. 1251, 7. Hyalomyia pusilla, *Desv. Essai. Myod.* 300, 8. *Macq. Hist. Nat. Dipt.* ii. 204, 9. Alophora pusilla, *Meig. Dipt.* vii. 284, 20.

a. England.
b. France.

PHASIA semicinerea, *Meig. Dipt.* iv. 199, 24. Hyalomyia semicinerea, *Desv. Essai. Myod.* 301, 11. *Macq. Hist. Nat. Dipt.* ii. 204, 11.
a. England.

Group IV. *Meig. Dipt.* iv. *pl.* 39, *f.* 16. Elomyia, *Desvoidy*.

PHASIA ornata, *Meig. Dipt.* iv. 202, 31.
a. ———? From Mr. Children's collection.

PHASIA argentifrons, n. s. *Nigra, capite argenteo, antennis pedibusque nigris, alis nigro-fuscis margine postico subcinereis.*

Body black: head covered with white silvery pile: eyes dark red: peristoma tawny: feelers black: sides and underside of the abdomen fringed with pale tawny hairs: legs black, clothed with short black hairs; claws and foot-cushions dull pale tawny; tips of claws black: wings dark brown, slightly gray along the hind borders; wing-ribs, veins and poisers black. Length of the body 2 lines; of the wings 4 lines.
a. Interior of South Africa. Presented by the Earl of Derby.

GYMNOSOMA, *Meigen*.

Group I. *Meig. Dipt.* iv. 204, A.

GYMNOSOMA rotundata, *Fall. Rhizom.* 9, 1. *Meig. Dipt.* iv. 204, 1, *pl.* 39, *f.* 21. vii. 207. *Desv. Essai. Myod.* 236, 1. *Macq. Hist. Nat. Dipt.* ii. 189, 1, *pl.* 15, *f.* 5. *Zett. Ins. Lapp.* 628, 1. *Dipt. Scand.* iii. 1226, 1. Musca rotundata, *Linn. Syst. Nat.* ii. 991. *Faun. Suec.* 1838. *Gmel. Ed. Syst. Nat.* v. 2846, 76. *Fabr. Sp. Ins.* ii. 442, 33. *Ent. Syst.* iv. 325, 57. *Deg. Ins.* vi. 15, 8, *pl.* 1, *f.* 11. *Geoff. Ins.* ii. 509, 32. *Schæff. Icon. pl.* 54, *f.* 8, *pl.* 143, *f.* 3. *Panz. Faun. Germ.* 20, 19. *Rossi. Faun. Etrusc.* 466, 1502. *Schrank, Faun. Boic.* iii. 2441. *Don. Brit. Ins.* xii. 83, *pl.* 424, *f.* 1. *Stew, El.* ii. 259. *Turt.* iii. 605. *Lam. Anim. sans Verteb.* iii. 362, 7. Tachina rotundata, *Fabr. Syst. Antl.* 311, 12. Ocyptera rotundata, *Latr. Gen. Crust.* iv. 344. *Cons. Gén.* 444. M. cerinus, *Harr. Ex.* 36, *pl.* 9, *f.* 6.
a. England.
b. France.
c. South of France Presented by F. Walker, Esq.

GYMNOSOMA par, n. s., mas. et fem. *Fulva, abdominis* mari *disco thoraceque nigris,* fem. *abdomine maculis nigris ornato, antennis fulvis, articulo 2° nigro, pedibus nigris, alis subcinereis, basi flavis.*

Body black: head tawny, adorned with a gold lustre in the male, with a silver lustre in the female, clothed behind and beneath with hoary hairs: eyes red: feelers tawny; second joint black, except at the base beneath; bristle tawny, black towards the tip: chest clothed with short black hairs; sides and breast hoary: abdomen tawny, thickly punctured, clothed with short black hairs, with a black disk in the male, along the back of the female with a row of large irregular black spots, which successively decrease in size from the base to the tip: legs black, clothed with black hairs; foot-cushions pitchy: wings slightly gray, yellow at the base; wing-ribs and veins tawny; veins pitchy towards the tips; scales yellowish white; poisers bright tawny. Length of the body 2½—2¾ lines; of the wings 4—4½ lines.

a. Nova Scotia. From Lieut. Redman's collection.
b. ———?

GYMNOSOMA occidua, n. s. *Nigra, pilis cinereis vestita, capite albo, abdomine subtus et segmentorum 1° et 2° marginibus posticis fulvis, sequentium marginibus posticis utrinque vittaque dorsali canis, antennis pedibusque nigris, alis subcinereis.*

Body black: head white, clothed behind with a few black hairs; a black stripe extends from the eyelets to the base of the feelers, and there is a tawny tinge on each side of it: eyes red: sucker black, clothed with black hairs: feelers deep black; third joint longer than the second, flat above, convex beneath, rounded at the tip; bristle longer than the third joint: chest clothed with short gray hairs: breast partly covered with hoary bloom: abdomen shining, thickly punctured, clothed with short black hairs: underside and hind borders of the first and second segments tawny; hind borders of the following segments hoary on each side of the back, which is also adorned with a hoary stripe: legs black, clothed with short black hairs: wings slightly gray; wing-ribs tawny; veins pitchy, tawny at the base; scales white, with yellow borders; poisers tawny. Length of the body 2¼ lines; of the wings 4 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Group II. *Meig. Dipt.* iv. 206, *B.* Cistogaster, *Latreille.*

Gymnosoma aurantiaca? *Meig. Dipt.* iv. 207, 5. Cistogaster aurantiaca? *Macq. Hist. Nat. Dipt.* ii. 190, 3.
a. ——— ?

Gymnosoma globosa, *Meig. Dipt.* iv. 206, 3, *pl.* 39, *f.* 22. Syrphus globosus, *Fabr. Sp. Ins.* ii. 432, 56. *Ent. Syst.* iv. 304, 99. Tachina globosa, *Fabr. Syst. Antl.* 311, 13. Musca globosa, *Gmel. Ed. Syst. Nat.* v. 2875, 360. Gymnosoma dispar, *Fall. Rhizom.* 9, 2. Pallasia globosa, *Desv. Essai. Myod.* 239, 1. Cistogaster globosa, *Macq. Hist. Nat. Dipt.* ii. 190, 1. *Meig. Dipt.* vii. 207, 1, *pl.* 69, *f.* 25. *Zett. Dipt. Scand.* iii. 1228, 1. C. ovata, *Macq. Hist. Nat. Dipt.* ii. 190, 2.
a. ——— ?

Ocyptera, *Latreille.*

Ocyptera bicolor, *Oliv. Encyl.* 3. *Macq. Hist. Nat. Dipt.* ii. 185, 1. O. coccinea, *Meig. Dipt.* iv. 211, 1. *Loew, Ent. Zeit. Stett.* v. 231, 1. O. Pentatomæ, *Desv. Essai. Myod.* 229, 1.
a. ——— ? From Mr. Children's collection.
b. ——— ?

Ocyptera brassicaria, *Fabr. Syst. Antl.* iv. 211. *Latr. Gen. Crust.* iv. 343. *Cons. Gén. Fall. Rhizom.* 5, 1. *Meig. Dipt.* iv. 211, 3, vii. 215, 2. *Curt. Brit. Ent.* 629, 1. *Desv. Essai. Myod.* 230, 4. *Macq. Hist. Nat. Dipt.* ii. 185, 2. *Loew, Ent. Zeit. Stett.* v. 234, 4, vi. 180. 1. *Zett. Dipt. Scand.* iii. 1220, 1. Musca brassicaria, *Fabr. Sp. Ins.* ii. 443, 36. *Ent. Syst.* iv. 327, 63. *Gmel. Ed. Syst. Nat.* v. 2847, 209. *Schell. Gen. Mouch, pl.* 3, *f.* 1, 2. *Schæff. Icon. pl.* 118, *f.* 4. *Lam. Anim. sans Verteb.* iii. 362, 6. M. cylindrica, *Deg. Ins.* vi. 16, 9, *pl.* 1, *f.* 12, 14. Syrphus segnis, *Panz. Faun. Germ.* 22.
a. England.
b. France.
c. Albania. From Mr. Walker's collection.

Ocyptera intermedia, *Meig. Dipt.* iv. 212, 3. *Desv. Essai. Myod.* 231, 5. *Loew, Ent. Zeit. Stett.* v. 236, 5.
a. France.

Ocyptera bimacula, n. s. *Nigra, capite flavo, abdomine rufo, basi apice maculisque duabus nigris, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head yellow, clothed beneath with hoary hairs; a black stripe between the eyelets and the feelers; sides of the face fringed with bristles at the base; epistoma hardly prominent: eyes pitchy, not hairy: palpi black: feelers black, as long as the face; third joint club-shaped, much longer than the second; bristle much longer than the third joint, stout near the base, very slender from thence to the tip: chest adorned in front with three hoary stripes: scutcheon and abdomen armed with a few black spines: abdomen red, longer than the chest; base and tip black; two black spots on the back, one of them connected with the black of the base: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs pitchy; veins black, pitchy at the base; tip cross-vein forming an almost right angle with the fourth longitudinal vein, joining the third longitudinal vein at some distance before the tip of the latter; lower cross-vein nearly straight; scales white, with yellow borders. Length of the body 4½ lines of the wings 6 lines.

a. Van Dieman's Land. Presented by the Rev. T. Ewing.

Ocyptera Dotadas, n. s. *Nigra, capite albo micante, abdomine rufo, basi apiceque nigro, antennis pedibusque nigris, alis subcinereis, basi costa nervorumque marginibus fuscis.*

Body black, clothed with black hairs and bristles: head adorned in front with white reflections, reddish on each side of the peristoma: eyes red: mouth black, ferruginous at the base: feelers black; third joint full twice the length of the second, slightly convex above and beneath, shorter and less linear than that of the European species: abdomen red, linear, black at the base and at the tip: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, brown at the base, on the fore borders and along the veins; wing-ribs, veins, and poisers black; scales white. Length of the body 3½ lines; of the wings 6½ lines.

a. Jamaica. Prom Mr. Gosse's collection.

Ocyptera Epytus, n. s. *Nigra, capite albo-micante, abdomine rufo, basi apice vittaque interrupta nigris, segmentorum suturis albo micantibus, antennis pedibusque nigris, alis flavo-fuscis, apicibus marginibusque posticis pallidioribus.*

Body black, clothed with black hairs and bristles: head silvery white, clothed beneath with hoary hairs; peristoma yellow, with

ferruginous sides; sides of the face yellow: eyes red: mouth black, ferruginous at the base: feelers black; third joint like that of *O. Dotadas:* abdomen red, black at the base, whence an interrupted black stripe proceeds to the two last segments, which are black; sutures of the segments, especially on each side, adorned with white lustre: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings yellowish brown, paler at the tips and along the hind borders; wing-ribs, veins, and poisers black; scales white. Length of the body 4½ lines; of the wings 7 lines.

a. Georgia. From Mr. Abbot's collection.

Ocyptera Dosiades, n. s. *Nigra, capite albo micante, abdomine rufo, basi apice vittaque integra nigris, antennis pedibusque nigris, alis subcinereis, basi nervorumque marginibus subfuscis.*

Body black, clothed with black hairs and bristles: head tinged in front with silvery-white, clothed beneath with hoary hairs: eyes red: mouth black: feelers black, like those of *O. Dotadas:* abdomen red, black at the base, whence proceeds a narrow uninterrupted black stripe, which widens from the base to the tip of the third segment; the following segments black: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, tinged with pale brown at the base and along the borders of the veins; wing-ribs and veins black; scales white; poisers tawny. Length of the body 3½ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Ocyptera picta, n. s. *Aurea, thorace nigro univittato, abdomine ferrugineo, cano micante, lateribus ventreque nigris, pedibus ferrugineis, tarsis nigris, alis fuscis, basi costaque flavis, apicibus marginibusque posticis subcinereis.*

Body clothed with black hairs and bristles: head and chest gold colour: feelers black (?): a broad black stripe with two slender gold stripes along the middle of the chest: abdomen ferruginous, black on each side and beneath, adorned with hoary reflections, which are most conspicuous on the sutures of the segments: legs ferruginous, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings brown, grayish at the tips and along the hind borders, bright yellow at the base and for two-thirds of the length of the fore border; wing-ribs and veins ferruginous; veins tawny on the yellow part of the wing; scales pale yellow. Length of the body 5 lines; of the wings 9 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

OCYPTERA Euchenor, n. s. *Nigra, cinerea, capite albo micante, abdomine nigro, lateribus cano micantibus, segmentis 2° et 3° utrinque rufis, antennis pedibusque nigris, illorum articulo 3° setaque basi ferrugineis, alis subcinereis, basi costa nervorumque marginibus fuscis.*

Body black, clothed with black hairs and bristles: head adorned with silvery-white lustre, clothed beneath with some hoary hairs: eyes dark red: mouth black: feelers black; third joint and the bristle ferruginous at the base: chest covered with gray, breast with hoary bloom: abdomen black; sides of the second and third segments red; fore borders of third and fourth segments adorned with hoary lustre on each side: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, brown at the base, on the fore borders and along the sides of the veins; wing-ribs, veins, and poisers black; scales white. Length of the body 5 lines; of the wings 8 lines.

a. Massachusetts. From Prof. Sheppard's collection.
b. Newfoundland.

TRICHOPODA, *Latreille.*

TRICHOPODA lanipes, *Wied. Auss. Zweif.* ii. 270, 4. *Desv. Essai. Myod.* 284, 5. Thereva lanipes, *Fabr. Syst. Antl.* 220, 10.
a. Georgia. From Mr. Abbot's collection.
b. ———?

TRICHOPODA pilipes, *Wied. Auss. Zweif.* ii. 272, 7. *Perty. Del. Art.* 186, *pl.* 37, *f.* 5. Thereva pilipes, *Fabr. Syst. Antl.* 220, 12.
a. ———?

TRICHOPODA pennipes, *Wied. Auss. Zweif.* ii. 274, 9. *Desv. Essai, Myod.* 283, 1. Musca pennipes, *Fabr. Ent. Syst.* iv. 348. 149. Dictya pennipes, *Fabr. Syst. Antl.* 327, 5.
a. North America. Presented by the Entomological Club.
b. Florida. Presented by E. Doubleday, Esq.
c. Georgia. From Mr. Abbot's collection.
d. ———? From Mr. Children's collection.
e. ———?

TRICHOPODA histrio, n. s. *Nigra, capite aureo, piceo vittato, thorace fascia una vittisque quatuor fulvis ornato, scutello fulvo, abdomine postico fasciis duabus latis interruptis flavis ornato, antennis nigris, pedibus fulvis, tibiis posticis basi tarsisque posticis nigris, tibiis posticis nigro fimbriatis, alis limpidis, ad costam fuscis fulvo vittatis.*

Body black: head bright golden-colour, clothed with yellow hairs on each side; a pitchy stripe on the crown widens in front to the cavity where the feelers repose, this is tawny and covered with silvery glance: eyes dark red, with a slight brassy tinge: mouth pitchy: palpi tawny: feelers ferruginous: chest beset with a few black bristles; fore part adorned with four tawny stripes, which join a tawny band across the middle; outer pair of stripes much broader and more distinct than the inner pair; scutcheon tawny: hind part of the abdomen adorned with two broad interrupted yellow bands: legs tawny, clothed with short black hairs; feet pitchy towards the tips; claws and foot-cushions tawny; tips of claws black: hind feet and tips of hind shanks black; hind shanks adorned with tufts of black hairs, extending along nearly the whole length, but most thick at the tips: wings colourless, brown with tawny streaks along the fore borders for half the breadth; wing-ribs and veins ferruginous; scales white, with yellow borders; poisers tawny. Length of the body 4—5 lines; of the wings 8—10 lines.

a. ——— ? ''

TRICHOPODA lateralis, n. s. *Nigra, capite fulvo, piceo vittato, thorace fascia una vittisque quatuor aureis ornato, abdominis lateribus basi fulvis, antennis pedibusque nigris, tibiis posticis nigro fimbriatis basi fulvis, alis nigro-fuscis, margine postico subcinereo.*

Body black: head tawny, with a broad pitchy stripe on the crown; front adorned with yellowish white silky lustre: eyes pitchy: feelers black: chest beset with some black bristles, adorned with a very indistinct golden band across the middle, and with four golden stripes, one on each side, and two shorter and more indistinct on the back: breast covered with white lustre: abdomen linear, clothed with black hairs, tawny on each side towards the base: legs black, clothed with black hairs; claws tawny, with black tips; foot-cushions yellow; hind shanks tawny at the base, adorned with tufts of black hairs which extend from near the base to the tip: wings very dark brown along the fore border for more than half the breadth: hind border slightly gray; wing-ribs and veins black;

poisers tawny. Length of the body 5½ lines; of the wings 12 lines.

a. Brazil.

TRICHOPODA umbra, n. s. *Atra, fronte cano pubescente, vittisque duabus aureis ornato, thoracis vittis quatuor fasciaque una aureis, abdomine fusco pubescente, antennis nigris, articulo 2° basi fulvo, pedibus nigris, alis nigris marginibus posticis limpidis.*

Body deep velvet-like black: head clothed with a few black hairs; front covered with hoary down, adorned on each side with a stripe of pale golden down; mouth pitchy, clothed with short tawny hairs; its cavity tawny: eyes pitchy: feelers black; third joint tawny at the base: chest beset with some black bristles, adorned with four golden stripes, which are joined together behind by a golden band; the pair of stripes on the back are in advance of the side pair: abdomen clothed with short black hairs, and excepting a middle stripe, covered with brown bloom, and on the last segment with pale tawny bloom: legs black, clothed with short black hairs; trochanters ferruginous; foot-cushions and claws pale yellow; tips of claws black; hind shanks fringed with tufts of black hairs: wings black, colourless along the hind borders; wing-ribs and veins black; scales yellowish brown; poisers tawny. Length of the body 3½ lines; of the wings 7 lines.

a. Venezuela. From Mr. Dyson's collection.

TRIXA, *Meigen*.

TRIXA lateralis, n. s. *Cinerea, thoracis vittis quatuor nigris, lateribus scutelloque ferrugineis, abdomine cano-cyaneo, antennis ferrugineis, articulo 3° nigro, pedibus ferrugineis, femoribus basi nigris, alis limpidis.*

Head black, clothed with black hairs; peristoma and face ferruginous; sides of the face fringed with bristles along half the length from the base: sucker black, clothed at the tip with short tawny hairs; palpi ferruginous, clothed with black hairs: eyes pitchy: feelers ferruginous, half the length of the face; third joint black; bristle black, more than twice the length of the third paler joint: chest gray, clothed with short black hairs, adorned with four black stripes; sides and scutcheon ferruginous: abdomen bluish black, with hoary reflections, clothed with short black hairs: legs ferruginous, clothed with black hairs and bristles; thighs black towards the base; claws ferruginous, with black tips; foot-cushions pale tawny: wings colourless; wing-ribs and veins tawny; veins

pitchy towards the tips; tip cross-vein forming a somewhat obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with an almost imperceptible inward curve along its lower half, and with a more decided outward curve along its upper half; scales yellowish white, dingy. Length of the body 8¼ lines; of the wings 17 lines.

a. ——— ?

TRIXA scutellata, *Newman, Ent. Mag.* i. 507.

a. England.

TRIXA dorsalis, *Meig. Dipt.* iv. 225, 5. *Macq. Hist. Nat Dipt.* ii. 97, 5. *Ann. Soc. Ent. France, 2me série,* vi. 104, 7.

a. England.

TRIXA variegata, *Meig. Dipt.* iv. 225, 6. *Macq. Hist. Nat. Dipt.* ii. 98, 6. *Ann. Soc. Ent. France, 2me série,* vi. 104, 8.

a. England.

TRIXA apicalis, n. s. *Cana, capite fulvo, thorace nigro trivittato, abdomine piceo, segmentorum marginibus anticis canis, antennis ferrugineis apice piceis, pedibus nigris, alis subcinereis, basi nervique transversi postici marginibus subfuscis.*

Body pitchy, clothed with black hairs and bristles: head and chest covered with hoary bloom: head tawny; sides of the face fringed with bristles along nearly half the length from the base: eyes bright red: sucker pitchy, clothed with tawny hairs; palpi tawny, clothed with black hairs: feelers ferruginous; third joint pitchy at the tip, a little longer than the second; bristle downy, less than twice the length of the third joint: chest adorned with three very slender black stripes: abdomen elliptical, a little longer than the chest; a broad hoary band on the fore border of each segment: legs black, clothed with black hairs and bristles: foot-cushions tawny: wings slightly gray; wing-ribs and veins tawny; veins pitchy toward the tips; lower cross-vein and fore borders slightly clouded with brown; scales dingy white. Length of the body 7 lines; of the wings 12 lines.

a. ——— ?

MILTOGRAMMA, *Meigen.*

MILTOGRAMMA punctata, *Meig. Dipt.* iv. 228, 3. *Desv. Essai. Myod.* 93, 2. *Macq. Hist. Nat. Dipt.* ii. 153, 2. *Curt. Brit. Ent.* 529. *Zett. Dipt. Scand.* iii. 1204, 3. Tachina oestracea, *Fall. Musc.* 10, 17, var.

a. England.

MILTOGRAMMA Megerlei? *Meig. Dipt.* iv. 233, 14. *Cana, abdominis segmentorum marginibus posticis fulvis, antennis fulvis articulo 3° piceo, pedibus nigris, alis limpidis.*

Body hoary, clothed with black hairs and bristles: head tawny on the crown, yellow in front, gray beneath; epistoma not prominent; no bristles on the sides of the face: eyes red, not hairy; sucker black, clothed at the tip with tawny hairs; palpi tawny: feelers very short, tawny, not more than half the length of the face; third joint pitchy, very slightly convex above and beneath, rounded at the tip, full twice the length of the third joint; bristle very short, but longer than the third joint, its second joint about twice the length of the first; third joint stout, but tapering to the tip: abdomen obconical, not longer than the chest; hind borders of the segments tawny: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs tawny; veins pitchy, tawny at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border above the tip of the wing; lower cross-vein straight for nearly half its length, slightly curved outward from thence to the tip; scales white, with buff borders. Length of the body 2½ lines; of the wings 4½ lines.

a. England.

TACHINA, *Fabricius.*

Div. A. Macromydæ, *Desv. Essai. Myod.* 32.

Group I.

Third joint of the feelers nearly twice the length of the second, very convex above, flat beneath, rounded at the tip; second joint of the bristle more than twice the length of the first.

TACHINA melanax, n. s. *Atra, spinosissima, capite albo, antennis pedibusque nigris, tarsis albis, alis nigris.*

Body deep black, clothed with black hairs and bristles: abdomen armed with very thick close-set black spines, which especially characterize this species: head white, clothed beneath with white hairs, beset above with black bristles; crown black; peristoma pale yellow; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy and clothed with a few short whitish hairs towards the tip; palpi black, spindle-shaped, long, not much shorter than the sucker, clothed with short black hairs: eyes pitchy, not hairy: feelers black, covered with whitish bloom; third joint nearly twice the length of the second, flat beneath, rounded at the

tip, extremely convex near the base above, whence it rises abruptly, but declines more gradually to the tip; its height is equal to full two-thirds of its length; the orifice is very distinct, and is seated near the underside below the greatest height of the third joint; bristle downy, tapering gradually from the base to the tip, less than twice the length of the third joint, its second joint long, more than twice the length of its first: scutcheon armed with black spines, which, like those of the abdomen, are shining and polished: legs black, clothed with hoary hairs, and beset with black spines; feet ivory-white, clothed with short white hairs; a small pitchy band at the tip of each foot; foot-cushions and claws white; tips of the claws black: wings deep black, with some dark gray streaks towards the base; wing-ribs, veins, and scales black; tip cross-vein forming an acute angle with the fourth longitudinal vein, which hardly projects beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein almost straight till near the tip, where it slightly curves outward. Length of the body 8 lines; of the wings 20 lines.

a, Venezuela. From Mr. Dyson's collection.

Group II. Dejeania, *Desv. Essai. Myod.* 33.

Tachina bombylans, *Wied. Auss. Zweif.* ii. 286, 10. Stomoxys bombylans, *Fabr. Ent. Syst. Suppl. Syst. Antl.* 281, 6. *Coq. Ill. Icon. Ins.* 115, *pl.* 25, *f.* 16. Dejeania capensis, *Desv. Essai. Myod.* 34, 2, D. bombylans, *Macq. Dipt. Exot.* ii. 3, 34, 1, *pl.* 3, *f.* 2.

a. Cape. Presented by the Entomological Club.

b. South Africa. Presented by Dr. A. Smith.

Group III.

Third joint of the feelers very much longer than the second; convex above, slightly convex beneath, rounded at the tip; second joint of the bristle much longer than the first.

Tachina alterna, n. s. *Nigra, capite abdomineque flavis, abdominis apice nigro fasciis vittaque ferrugineis, antennis pedibusque nigris, alis fuscis.*

Body black, clothed with black hairs and bristles: head pale yellow, blackish on the crown, clothed beneath with pale yellow

hairs, beset above with a few black hairs and bristles; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy and clothed with short pale yellowish hairs at the tip; palpi short: feelers black, as long as the face; third joint very much longer than the second, convex above, slightly convex beneath, rounded at the tip, rising along the back till near the tip where is its deepest part; bristle pitchy, downy, gradually tapering from the base to the tip: second joint about twice the length of the first; third joint not near twice the length of the third feeler-joint: abdomen armed with black spines, especially towards the tip, yellow, and half transparent from the base to beyond the middle, adorned with a ferruginous stripe which extends to the tip: legs black, clothed with black hairs and bristles; claws and foot-cushions white; tips of claws black: wings and scales brown, wing-ribs and veins dark tawny, tip cross-vein forming a slightly acute angle with the fourth longitudinal vein which projects a little beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, one long and near the base, the other shorter and very near the tip. Length of the body 5—6 lines; of the wings 11—14 lines.

a. Venezuela. From Mr. Dyson's collection.

Group IV.

Third joint of the feelers a little longer than the second; slightly convex above, flat beneath, rounded at the tip; second joint of the bristle full twice the length of the first.

TACHINA melanopyga, *Wied. Auss. Zweif.* ii. 272, 19.
a. ———?

Group V.

Third joint of the feelers as long as the second, convex above, slightly convex or flat beneath, rounded at the tip; second joint of the bristle more than twice the length of the first.

TACHINA aurifera, n. s. *Fusco-fulva, capite flavo, scutello abdomineque ferrugineis, abdominis lateribus nigris, apice aureo maculato, antennis fulvis articulo 3° nigro, pedibus fulvis, tarsis flavis, alis cinereis.*

Head pale yellow, clothed beneath with pale yellow hairs, beset above and in front with some black bristles; epistoma very promi-

nent; no bristles on the sides of the face; sucker black, pitchy and clothed with some short pale yellow hairs at the tip; palpi short: eyes pitchy: feelers tawny, as long as the face; third joint pitchy, black, as long as the second, convex above, slightly convex beneath, rounded at the tip; bristle downy, tapering from the base to the tip, about twice the length of the third feeler-joint, its second joint twice the length of its first: chest and breast brownish tawny, beset with black hairs and bristles; chest adorned with four interrupted slender black stripes; scutcheon ferruginous, covered with a slight tawny down, armed with stout black spines: abdomen dark ferruginous, thickly beset with black spines, black along the sides and at the tip, where there is a large bright golden spot: legs tawny, clothed with black hairs and bristles; feet bright yellow, clothed with pale yellow hairs and bristles: tips of claws black: wings gray; wing-ribs and veins tawny; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, which sends forth a little stump beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein nearly straight for half the length, curved outward from thence to the tip; scales dingy white. Length of the body 5 lines; of the wings 11 lines.

a. Venezeula. From Mr. Dyson's collection.

TACHINA diversa, n. s. *Cinerea, capite albo, abdomine rufo albo vario, antennis nigris, pedibus rufis femoribus basi tarsisque nigris, alis subnigris.*

Head white, gray on the crown, clothed beneath with white hairs, beset above and on the front with black bristles; epistoma very prominent; no bristles on the sides of the face; sucker black, clothed at the tip with short tawny hairs; palpi short: eyes dark red, slightly bronzed: feelers black, covered with gray bloom, as long as the face; third joint a little longer than the second, convex above, almost flat beneath, rounded at the tip; bristle downy, more than twice the length of the third feeler-joint; second joint twice the length of the first; third joint tapering to one-third of its length, slender from thence to the tip: chest and breast gray, clothed with black hairs and bristles; scutcheon and abdomen armed with black spines: abdomen deep red; third and fourth segments adorned with two triangular white spots that are joined together; tip of the abdomen, sides of the segments above, and hind borders of the segments whitish: legs deep red, beset with black hairs and spines; thighs towards the base and feet black; claws and foot-cushions yellowish-white; tips of the claws black: wings blackish, darkest at the base and along the little cross-vein in the

disk; wing-ribs and some of the veins tawny, the other veins pitchy; tip cross-vein forming a nearly right angle with the longitudinal vein, much curved inward near the base, almost straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein with two long and very slight curves, the lower inward, the upper indistinct and outward; scales white. Length of the body 5½ lines; of the wings 13 lines.

a. Venezuela. From Mr. Dyson's collection.

Group VI.

Third joint of the feelers very much longer than the second, slightly convex above, flat beneath, rounded at the tip; second joint of the bristle about twice the length of the first.

TACHINA æquabilis, n. s. *Fulva, capite albido, thoracis vittis quatuor obscurioribus, antennis fulvis, articulo 3° nigro, pedibus fulvis, alis fuscis.*

Head yellowish white, clothed beneath with white hairs, beset on the crown with black hairs, and in front with black bristles, adorned from the eyelets to the feelers with a brown stripe between two tawny-gray stripes; epistoma very prominent; no bristle on the sides of the face; sucker black, clothed at the tip with short yellow hairs: eyes dark red: feelers tawny, as long as the face; third joint black, tawny at the base, slightly convex above, flat beneath, rounded at the tip, rather less than twice the length of the second joint; bristle black, downy, tapering from the base to the tip, much less than twice the length of the third feeler-joint; its second joint about twice the length of its first: chest and breast dull tawny, beset with a few black hairs and bristles: chest adorned with four slender indistinct darker stripes: abdomen bright tawny, with paler reflections, armed with stout black spines, which are arranged in clusters along the back and on each side of the hind borders of the segments: legs tawny, clothed with black hairs and bristles; tips of claws black; foot-cushions yellow: wings dark brown; wing-ribs and veins tawny; tip cross-vein forming a right angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein almost straight for half the length from the base, slightly and irregularly curved outward from thence to the tip; scales dingy white. Length of the body 6 lines; of the wings 11 lines.

a. Venezuela. From Mr. Dyson's collection.

Group VII.

Third joint of the feelers very little longer than the second, flat above, deepening beneath from the base to the tip, which is obliquely truncated; second joint of the bristle twice the length of the first.

TACHINA constans, n. s.. *Fusco-fulva, capite flavo, pectore cano, abdomine rufo maculis nigris ornato, antennis fulvis articulo 3° nigro, pedibus fulvis, tibiis anticis tarsisque flavis, alis fuscis.* Jurinia rufiventris? *Macq. Dipt. Exot.* ii. 2, 41, 7, *pl.* 3, *f.* 9.

Head pale yellow, clothed beneath with pale yellow hairs, beset above and in front with black bristles; epistoma very prominent, no bristles on the sides of the face; crown brown; sucker black, its tip pitchy and clothed with short whitish hairs: eyes pitchy: feelers tawny, as long as the face; third joint black, very little longer than the second joint, flat above, deepening beneath from the base to the tip, which is obliquely truncated; bristle downy, rather stout, tapering, not near twice the length of the third feeler-joint, its second joint twice the length of the first: chest brownish tawny, clothed with black hairs and bristles; breast hoary; scutcheon armed with black spines: abdomen deep red, with a row of black spots along the back, armed with stout black spines, which are mostly disposed in clusters on the back and along the sides of the hind borders of the segments, and are especially thick at the tip: legs tawny, beset with black hairs and bristles; feet and fore shanks yellow, the former clothed with pale yellow hairs and bristles; claws and foot-cushions pale yellow, tips of the claws black: wings and scales pale brown; wing-ribs and veins tawny; tip cross-vein forming an almost right angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it is slightly curved outward. Length of the body 6 lines; of the wings 14 lines.

a. Venezuela. From Mr. Dyson's collection.

Group VIII.

Third joint of the feelers much longer than the second, slightly convex above, more convex beneath, rounded at the tip; second joint of the bristle about twice the length of the first.

TACHINA transiens, n. s. *Fusca, capite pectoreque fulvis, abdomine rufo-fusco, segmentorum suturis nigris, antennis nigris, pedibus fulvis, alis fuscis.*

Head brownish tawny, clothed beneath with pale tawny hairs, beset above and in front with black hairs and bristles; epistoma very prominent; no bristles on the sides of the face; sucker black, clothed at the tip with a few short pale tawny hairs: eyes pitchy: feelers black, as long as the face; third joint much longer than the second, slightly convex above, more convex beneath, rounded at the tip; bristle downy, rather stout, about twice the length of the third feeler-joint, tapering from the base to the tip; its second joint about twice the length of the first: chest dark brown, clothed with tawny hairs and black bristles; breast tawny; scutcheon armed with black spines: abdomen reddish tawny, much longer and broader than the chest, thickly clothed with reddish tawny hairs, armed with a few stout black spines, darker along the middle of the back; sutures of the segments black: legs tawny, clothed with short black hairs and bristles: claws and foot-cushions pale tawny; tips of the claws black: wings and scales dark brown; wing-ribs and veins tawny; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two hardly perceptible curves, the lower inward, the upper outward. Length of the body 5 lines; of the wings 12 lines.

a. Quito. Presented by W. Hewitson, Esq.

Group IX.

Third joint of the feelers longer than the second, very convex above, flat beneath, rounded at the tip; second joint of the bristle hardly longer than the first.

TACHINA trianguli, n. s. *Fusco-fulva, capite flavo, thoracis lateribus pectore scutelloque fulvis, abdomine maculis trigonis nigris ornato, antennis piceis, pedibus fulvis, alis cinereis basi fulvis.*

Head pale yellow, clothed beneath with pale yellow hairs, beset above and in front with a few black bristles; epistoma very prominent; no bristles on the sides of the face; sucker and palpi black, clothed with short black hairs; palpi tawny at the base, nearly as long as the sucker: eyes pitchy slightly bronzed: feelers pitchy, as long as the face; third joint longer than the second, very convex above, flat beneath, rounded at the tip; bristle black, naked, rather

slender, tapering from the base to the tip, full twice the length of the third feeler-joint, its first and second joints tawny; second joint short, hardly longer than the first: chest brownish tawny, clothed with tawny hairs, beset with black bristles; sides, breast, and scutcheon tawny; scutcheon armed with black spines: abdomen bright tawny, adorned along the back with a row of black triangular spots, clothed with tawny hairs, armed with black spines, which occupy the hind borders of the segments, and are most numerous at the tip: legs tawny, clothed with black hairs and bristles; claws and foot-cushions yellow; tips of the claws black: wings gray, tawny at the base; scales yellowish white; wing-ribs and veins tawny; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, which sends forth a very short stump beyond it, much curved near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight for half the length, very slightly curved outward from thence to the tip. Length of the body 6 lines; of the wings 12 lines.

a. Venezuela. From Mr. Dyson's collection.

Group X.

Third joint of the feelers twice the length of the second, linear, truncated at the tip; first and second joints of the bristle very short.

TACHINA finitima, n. s. *Fusca, capite albido, thoracis vittis quatuor obscurioribus, lateribus pectore scutelloque fulvis, abdominis apice ferrugineo, antennis pedibusque fulvis, alis cinereis basi fulvis.*

Head yellowish white, dark tawny, with a hoary stripe between the eyelets and the feelers, clothed beneath with yellowish white hairs, beset above and in front with a few black bristles; epistoma prominent; no bristles on the sides of the face; sucker tawny, clothed with short pale yellow hairs; palpi yellow, long, beset with short black bristles: feelers tawny, as long as the face; third joint linear, truncated at the tip, twice the length of the second joint; bristle black, naked, more than twice the length of the third feeler-joint; first and second joints rather long, equal in length; third joint stout for about half its length, thence to the tip very slender: chest brown, clothed with tawny hairs, beset with black bristles, adorned with four darker, slender indistinct stripes; sides, scutcheon, and breast tawny: scutcheon armed with black spines: abdomen bright tawny, ferruginous towards the tip, broader and much longer

than the chest, adorned with a row of black spots, armed with black spines, which are chiefly arranged in groups and abound most at the tip: legs tawny, clothed with black hairs and bristles; claws and foot-cushions pale yellow; foot-cushions very small; tips of claws black: wings gray, tawny towards the base; wing-ribs and veins tawny; tip cross-vein forming an acute angle with the fourth longitudinal vein, which has a knob beyond it, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two very indistinct curves, the lower inward, the upper outward; scales pale gray. Length of the body 5—6 lines; of the wings 12—13 lines.

Var. β. Body rather darker; third joint of the feelers pitchy, its base tawny.

a. Nova Scotia. From Lieut. Redman's collection.
b. United States. Presented by the Entomological Club.
c. ——— ?

Group XI.

Third joint of the feelers very much longer than the second, very convex above, slightly concave beneath, rounded at the tip; second joint of the bristle twice the length of the first.

TACHINA signifera, n. s. *Flavo-fusca, capite albido, scutello ferrugineo, abdomine nigro, apicem versus fulvo maculato, antennis fulvis, articulo 3° nigro, pedibus fulvis femoribus basi nigris, alis cinereis basi fulvis.*

Head yellowish white, gray with a tawny stripe between the eyes, beset above with a few black bristles, clothed beneath with white hairs; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny: eyes red, slightly bronzed: feelers tawny, as long as the face; third joint black, very much longer than the second, very convex above, slightly concave beneath, rounded at the tip; bristle black, rather stout, tapering from the base to the tip, not near twice the length of the third feeler-joint, its second joint long, twice the length of the first: chest yellowish brown, clothed with black hairs and bristles; scutcheon ferruginous: abdomen black, shining, beset with black hairs, bristles and spines, very dark red on each side; back near the tip adorned with a pale buff mark somewhat resembling a Psi reversed; tip ferruginous: legs tawny, clothed with black hairs and bristles; thighs black towards the base, claws and foot-cushions pale tawny; tips of the claws black: wings

gray, tawny towards the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight for rather more than half the length, very slightly curved outward from thence to the tip; scales dingy white. Length of the body 5½ lines; of the wings 11 lines.

a. Nova Scotia. From Lieut. Redman's collection.
b. ———?

Group XII.

Third joint of the feelers very much longer than the second, flat above, slightly convex beneath, somewhat rounded at the tip; second joint of the bristle short, longer than the first.

TACHINA signata, n. s. *Fulva, thorace vittis quatuor nigris pectore cano, abdominis dorso plerumque nigro flavo vittato, antennis nigris, articulis 2° apice 3°que basi subtus ferrugineis, pedibus fulvis, tarsis nigris, alis cinereis.*

Head tawny, with a stripe between the eyes from the crown to the base of the feelers, beset above with a few black bristles, clothed beneath with pale tawny hairs: epistoma prominent; no bristles on the sides of the face; sucker black, pitchy, and clothed with tawny hairs towards the tip; palpi tawny, beset with a few tawny hairs: eyes red, covered with pale tawny down: feelers black, shorter than the face; second joint towards the tip and third at the base beneath ferruginous; third joint flat above, slightly convex beneath, somewhat rounded at the tip, very much longer than the second joint; bristle downy, near twice the length of the third feeler-joint, rather thick for half its length from the base, slender thence to the tip; its second joint short, but longer than the first: chest dull tawny, thinly clothed with black hairs, beset with black bristles, adorned with four black stripes: breast hoary: abdomen deep tawny, adorned with slight pale tawny reflections, clothed with tawny hairs and black bristles, armed with some long black spines; much of its back occupied by a large black mark which forms an irregular cross, and contains a dull buff stripe: legs tawny, clothed with black hairs and bristles; feet black above: wings gray; wing-ribs and veins tawny; veins pitchy towards the tips, slightly clouded with brown; tip cross-vein forming an acute angle with the fourth longitudinal vein, much curved inward near the base, almost straight from thence to

the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the upper outward; scales pale tawny. Length of the body 6 lines; of the wings 12 lines.

a. ———?

Group XIII.

Third joint of the feelers nearly twice the length of the second, rather deep, flat above, slightly convex beneath, truncated at the tip; second joint of the bristle very short, but longer than the first.

TACHINA Alcis, n. s. *Fulva, thoracis vittis quatuor nigris, abdomine maculis nigris ornato, antennis pedibusque nigris, femoribus subtus tibiisque fulvis, alis cinereis fulvo vittatis.*

Head tawny, partly covered with whitish bloom, black above, beset with a few black bristles, clothed beneath with yellow hairs; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy, and clothed with yellow hairs towards the tip; palpi tawny, slender, rather long, clothed with a few long tawny hairs; eyes red, varied with black: feelers black, hardly as long as the face; third joint nearly twice the length of the second, rather deep, flat above, convex beneath, truncated at the tip; bristle downy, twice the length of the third feeler-joint, rather thick for two-thirds of the length from the base, slender thence to the tip; second joint of moderate length, longer than the first: chest and breast black, covered with a dark tawny bloom: chest clothed with black hairs and bristles, adorned with four slender black stripes; breast partly clothed with tawny hairs: scutcheon tawny, beset with long, slender black spines: abdomen tawny, clothed with black hairs, armed with black spines, which are mostly towards the tips, adorned above and below with a row of black spots, which increase in breadth from the base to the tip: legs black, clothed with black hairs and bristles; thighs beneath and shanks tawny: wings gray, tawny towards the base and along the fore borders and on the sides of the veins; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower distinct and inward, the upper outward and more slight; scales yellowish white. Length of the body 6 lines; of the wings 12 lines.

a. ———?

Group XIV.

Third joint of the feelers nearly linear, much more than twice the length of the second joint, hardly concave above, slightly convex beneath, rounded at the tip; second joint of the bristle longer than the first.

TACHINA Zelica, n. s. *Fulva, thorace ferrugineo, disco fusco quinque vittato, abdominis segmentorum marginibus posticis nigris, antennis piceis, articulo 3° nigro, pedibus ferrugineis, alis cinereis basi fulvis, venis fusco limbatis.*

Body clothed with black hairs and bristles: head tawny, silky, clothed beneath with pale yellow hairs, darker on the crown, and having there a broad dark ferruginous stripe, which widens from the eyelets to the base of the feelers; sides of the face fringed with bristles for one-fourth of the length from the base; epistoma somewhat prominent: eyes pitchy, hairy, red along the borders: sucker black, clothed at the tip with tawny hairs: palpi tawny, long, beset with black bristles: feelers pitchy, shorter than the face; second joint ferruginous towards the tip; third joint black, nearly linear, much more than twice the length of the second joint, hardly concave above, slightly convex beneath, rounded at the tip; bristle much longer than the third joint, its second joint rather short, but longer than the first; third joint stout, tapering from the base to the tip: chest dark brown, adorned with five paler indistinct stripes; sides and scutcheon ferruginous; breast pitchy: abdomen bright tawny, clothed with tawny hairs and black bristles, the latter are chiefly on the hind borders of the segments and towards the tip; a black band on the hind border of each segment: legs ferruginous clothed with black hairs and bristles; claws and foot-cushions pale tawny; tips of the claws black: wings dark gray, tawny at the base, brown along the borders of the veins, and especially of the cross-veins; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, much curved near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; scales yellow with darker borders. Length of the body 7 lines; of the wings 13 lines.

a. New Zealand. Presented by Dr. Sinclair.

Group XV.

Third joint of the feelers long, slender, linear, full thrice the length of the second joint, rounded at the tip, reaching the epistoma; first and second joint of the bristle very short.

TACHINA breviventris, *Wied. Auss. Zweif.* ii. 297, 28.
a. Jamaica. From Mr. Gosse's collection.

Group XVI.

Third joint a little more than twice the length of the second; very slightly convex on the back, and equally concave beneath, rounded at the tip; second joint of the bristle short, hardly longer than the first.

TACHINA patula, n. s. *Nigra, thorace cinereo vittis nigris nigris, antennis pedibusque nigris, alis cinereis.*

Body black: head hoary, beset above and in front with black hairs and bristles, clothed beneath with white hairs; epistoma slightly prominent; no bristles on the sides of the face; sucker pitchy, clothed towards the tip with short pale tawny hairs; palpi long, tawny, beset with short black bristles: eyes bright red: feelers black, as long as the face; second joint reddish at the tip; third joint more than twice the length of the second, nearly linear, very slightly convex above, and equally concave beneath, rounded at the tip; bristle downy, slender, about twice the length of the third feeler-joint; second joint short, hardly longer than the first: chest and breast clothed with black hairs and bristles: chest covered with a gray bloom, which is indistinctly striped: scutcheon and abdomen thickly armed with black spines, the latter much broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings gray, darker at the base; wing-ribs pitchy; veins black; tip cross-vein forming hardly less than a right angle with the longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower slight and inward, the upper outward and extremely slight; scales blackish. Length of the body $5\frac{1}{2}$ lines; of the wings 12 lines.

a. ——— ?

Group XVII. Jurinia, *Desv. Essai. Myod.* 34.

TACHINA hystrix, *Fabr. Syst. Antl.* 310, 8. *Wied. Auss. Zweif.* ii. 283, 6. Musca hystrix, *Fabr. Syst. Ent.* 777, 21. *Ent. Syst.* iv. 325, 55. *Drury, Ins.* ii. *pl.* 45, *f.* 7. Echinomyia hystrix, *Macq. Hist. Nat. Dipt.* ii. 79, 30.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

TACHINA basalis, n. s. *Nigra, capite albo, abdomine rufo, antennis pedibusque nigris, alis cinereis basi nigris, nervo transverso disci fusco nebuloso.*

Smaller than *T. hystrix*, the abdomen more thickly armed with spines, the wings rather paler. Body black: head white, gray with a brown stripe from the crown to the base of the feelers, beset above with a few black bristles, clothed beneath with white hairs; epistoma very prominent; sides of the face fringed with bristles on one-fourth of the length from the base: sucker black, clothed at the tip with a few short pale tawny hairs; palpi long, tawny, beset with short black bristles: eyes bright red, not hairy: feelers black, as long as the face; third joint hardly longer than the second, very convex above, flat beneath, rounded at the tip; bristle downy, gradually tapering from the base to the tip, much longer than the third feeler-joint, but not twice its length; second joint long, twice the length of the first: chest and breast thickly clothed with black hairs and bristles: scutcheon armed with black spines: abdomen deep dark red, shining, clothed with black hairs, armed with black spines which most abound towards the tip: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions yellow: wings gray, black at the base; wing-ribs red; veins black; the little cross-vein clouded with brown; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein straight for nearly half the length from the base, very slightly curved outward from thence to the tip; scales blackish. Length of the body 6 lines; of the wings 12 lines.

a. Jamaica. From Mr. Gosse's collection.

TACHINA gagatea? Jurinia gagatea? *Desv. Essai Myod.* 36, 5.
a. Venezuela. From Mr. Dyson's collection.

TACHINA alligans, n. s. *Nigra, capite flavo, thorace fulvo-cinereo vittis quatuor nigris, scutello abdomineque rufo-nigris, antennis nigris, pedibus rufis, femoribus nigris, alis fuscis.*

Body black: head pale yellow, darker above, and adorned with a brown stripe, which widens from the crown to the base of the feelers, beset with a few black bristles, clothed beneath with yellowish white hairs; epistoma very prominent; no bristles on the sides of the face: eyes red, slightly bronzed: sucker black, pitchy and clothed with a few short tawny hairs at the tip: feelers black, as long as the face; third joint not longer than the second, very con-

vex above, pitchy and slightly concave beneath, rounded at the tip; bristle downy, about twice the length of the third joint, rather stout for about one-third of its length from the base, tapering and slender from thence to the tip, second joint of moderate length, longer than the first: chest tawny-gray, with four indistinct slender black stripes, clothed with black hairs and bristles: scutcheon and abdomen reddish black, shining, clothed with black hairs, armed with black spines: abdomen a little broader and longer than the chest: legs red, clothed with black hairs and bristles; hips and thighs black, covered with gray bloom; claws and foot-cushions pale tawny; tips of the claws black: wings brownish; wing-ribs and veins dark tawny; some of the latter pitchy; tip cross-vein forming an acute angle with the fourth longitudinal vein, having a short, but distinct inward curve near the base, straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein almost straight for full half the length, slightly curved outward from thence to the tip; scales blackish. Length of the body 6 lines; of the wings 13 lines.

a. Venezuela. From Mr. Dyson's collection.

TACHINA leucomelana, n.s. *Nigra, capite albido, thorace pectoreque cinereis, illo obsolete vittato, antennis pedibusque nigris, alis cinereis.*

Body black: head yellowish white, beset above and in front with black bristles, clothed beneath with white hairs; crown black; epistoma very prominent; sides of the face bristly at the base; sucker black, ferruginous and clothed with short pale tawny hairs at the tip; palpi tawny: eyes red, slightly bronzed, not hairy; feelers black, as long as the face; third joint a little longer than the second, slightly convex above, flat beneath, almost truncated, but slightly rounded at the tip; bristle downy, slender, tapering from the base to the tip, full twice the length of the third feeler-joint, its second joint at least twice the length of the first: chest gray, clothed with black hairs and bristles, indistinctly striped; breast hoary; scutcheon armed with black spines: abdomen deep black, much broader than the chest, beset with black hairs and spines: legs black, clothed with black hairs and bristles; claws and foot-cushions pale tawny; tips of the claws black: wings gray; wing-ribs tawny; veins pitchy; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein almost straight, but a little inclined inward for more than half the length from the base, and very slightly curved outward from thence to the

tip; scales blackish. Length of the body 5 lines; of the wings 11 lines.

a. ———;

TACHINA chrysiceps. Jurinia chrysiceps, *Desv. Essai Myod.* 37, 8.
a. ———?

TACHINA bicolor, *Wied. Auss. Zweif.* ii. 282, 3. Echinomyia fuliginipennis, *Macq. Hist. Nat. Dipt.* ii. 77, 24. Jurinia bicolor, *Macq. Dipt. Exot.* ii. 3, 39, 3, *pl.* 3, *f.* 7. J. Brasiliensis? *Desv. Essai Myod.* 35, 2. Echinomyia Brasiliensis? *Macq. Hist. Nat. Dipt.* ii. 77, 23.
a. ———? From Mr. Children's collection.

TACHINA decisa, n. s. *Nigra, capite albido, thorace subcinereo, lateribus scutello abdomineque rufis, abdomine nigro vittato, antennis ferrugineis, pedibus nigris, alis cinereis basi fuscis.*

Body black: head yellowish white, tawny, and adorned with a ferruginous stripe above, beset with a few black bristles, clothed beneath with yellowish white hairs; epistoma very prominent; no bristles on the sides of the face: sucker black, clothed towards the tip with short pale tawny hairs; palpi tawny, beset with short black bristles: eyes pitchy, red above and in front: feelers ferruginous, as long as the face; third joint a little shorter than the second, increasing in depth from the base to the tip, which is slightly rounded, but almost truncated; bristle downy, tapering, much less than twice the length of the third joint, its second joint long, twice the length of the first: chest slightly tinged with gray, dark red on each side, beset with black hairs and bristles: scutcheon and abdomen dark red, shining, clothed with black hairs, armed with black spines; an interrupted black stripe along the back of the abdomen: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions pale yellow: wings gray, brown at the base; wing-ribs and veins dark tawny, some of the latter pitchy; cross-veins, especially the little one in the disk, clouded with brown; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, much curved inward near the base, almost straight from thence to the tip which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, the upper outward; scales blackish. Length of the body 5—6 lines; of the wings 11—12 lines.

Var. *β*. Third joint of the feelers pitchy.

Var. γ. First and third joints of the feelers pitchy, third joint tawny at the base beneath.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.
c. North America. Presented by the Entomological Club.

TACHINA contraria, n. s. *Fulva, capite flavo, abdomine nigro, antennis ferrugineis, articulo 3° nigro, pedibus fulvis, femoribus intermediis basi nigris, pedibus posticis piceis femoribus nigris, alis cinereis basi flavis.*

Head yellow, darker and adorned with a ferruginous stripe between the eyes, beset with a few black bristles, clothed beneath with pale yellow hairs; epistoma very prominent; no bristles on the sides of the face; sucker black, ferruginous, and clothed with short pale yellow hairs towards the tip: eyes red: feelers ferruginous, as long as the face; third joint black, hardly longer than the second, convex above, flat beneath, rounded at the tip; bristle downy, tapering, twice the length of the third joint, its second joint long and twice the length of the first: chest and breast tawny, clothed with black hairs and bristles; scutcheon armed with black spines: abdomen deep black, clothed with black hairs and spines: legs clothed with black hairs and bristles; fore legs and middle legs tawny; middle thighs black towards the base; hind legs pitchy, thighs black, knees tawny; claws and foot-cushions pale tawny, tips of claws black: wings gray, yellow at the base; wing-ribs and veins tawny, some of the latter black towards the tips; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight for half the length from the base, slightly curved outward from thence to the tip; scales dingy yellow. Length of the body 4 lines; of the wings 10 lines.

a. Mexico. Presented by E. P. Coffin, Esq.

TACHINA Boscii. Jurinia Boscii, *Desv. Essai Myod.* 36, 4.
a. ——— ?

TACHINA epileuca, n. s. *Fulvo-cinerea, capite albido, thorace vittis quatuor obscurioribus, pectore cano, abdomine rufo, antennis nigris, articulo 3° subtus ferrugineo, pedibus nigris, alis fusco-cinereis.*

Head yellowish white, darker and adorned with a pitchy stripe between the eyes, beset above with a few black bristles, clothed

beneath with yellowish white hairs; epistoma very prominent; no bristles on the sides of the face; sucker black, pitchy and clothed with a few short pale tawny hairs at the tip; palpi tawny: eyes red, not bristly: feelers black, as long as the face; third joint a little longer than the second, slightly convex above, ferruginous and flat beneath, rounded at the tip; bristle dark ferruginous, downy, slender, tapering, about twice the length of the third feeler-joint; first and second joints long, pitchy, of equal length: chest gray, with a tawny tinge, clothed with black hairs and bristles, adorned with four slender darker indistinct and interrupted stripes; breast hoary; scutcheon armed with black spines: abdomen very dark red, shining, beset with black hairs and spines: legs black, clothed with black hairs and bristles; thighs, especially the fore pair, covered with a grayish tawny bloom; claws tawny, with black tips; foot-cushions pale yellow: wings brownish gray; wing-ribs tawny; veins pitchy; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein nearly straight till near the tip, where it has a short and slight outward curve; scales blackish. Length of the body 7 lines; of the wings 15 lines.

a. Jamaica. From Mr. Gosse's collection.

TACHINA metallifera, n. s. *Nigra, capite albido, thorace subcinereo, abdomine nigroæneo, antennis fulvis articulo* 3° *piceo, pedibus nigris, alis cinereis basi vittisque fulvis.*

Body black: head yellowish white, grayish tawny including a ferruginous stripe between the eyes, beset above and in front with black bristles, clothed beneath with yellowish white hairs; epistoma prominent; no bristles on the sides of the face: sucker black, ferruginous, and clothed with short tawny hairs at the tip; palpi tawny, rather long: eyes red: feelers tawny, as long as the face; third joint pitchy, a little longer than the second, slightly convex above, flat beneath, rounded at the tip; bristle pitchy, tapering, almost naked, black towards the tip, less than twice the length of the third feeler-joint, its second joint long, about twice the length of the first: chest slightly tinged with gray, indistinctly striped, clothed with black hairs and bristles: scutcheon and abdomen armed with black spines: abdomen brassy-black above, black with hoary reflections beneath: legs black, clothed with black hairs and bristles; claws red, with black tips; foot-cushions pale tawny: wings gray, tawny at the base, slightly tawny on the fore borders and along the sides of the veins; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming hardly less than a right angle with the

fourth longitudinal vein, which sends forth a very short stump beyond it, slightly curved inward for half the length from the base, almost straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, almost straight though indistinctly waving from thence to the tip; scales white. Length of the body 7 lines; of the wings 13 lines.

a. ———?

TACHINA apicifera, n. s. *Æneo-fusca, capite albo, pectore cano, abdomine nigroæneo apice ferrugineo, antennis picco fulvis, pedibus nigris, alis subcinereis basi fulvis.*

Head white, brownish tawny including a tawny stripe between the eyes, beset above with some black bristles, clothed beneath with yellowish white hairs; epistoma prominent; no bristles on the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny, rather short, beset with short black bristles: eyes pitchy: feelers tawny, as long as the face; first joint above and third joint pitchy; third joint as long as the second, very convex above near the base, flat on the underside, which is tawny towards the base, rounded at the tip; bristle naked, tapering from the base to the tip, much less than twice the length of the third feeler-joint, second joint very long, about thrice the length of the first: chest pale brassy-brown, covered with a hoary bloom, clothed with black hairs and bristles; scutcheon more or less ferruginous, armed with a few black spines; breast hoary: abdomen black, shining, with a very slight metallic tinge, armed with a few black spines towards the tip, which has hoary reflections on each side; last segment dark ferruginous: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions yellow: wings slightly gray, tawny towards the base; wing-ribs and veins tawny; tips of veins pitchy; tip cross-vein forming an acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, and having a shorter and more slight outward curve close to the tip; scales dingy white. Length of the body 5—5½ lines; of the wings 10 lines.

a. North America. Presented by the Entomological Club.
b. ———?

Fem.?—Third joint of the feelers not very much more than half the length of the second; first joint tawny above: abdomen

rather longer than that of the male. Length of the body 7 lines; of the wings 12 lines.

a. ———?

TACHINA Damippus, n. s. *Fulva, capite subtus flavo, thorace vittato, scutello ferrugineo, abdomine nigro, apice fulvo micante, antennis ferrugineis, articulo 3° pedibusque nigris, alis fuscis basi fusco-fulvis.*

Head tawny, pale yellow and shining in front and beneath, clothed with some short white hairs, beset with a few black bristles, furnished with a brownish stripe between the eyelets and the feelers; epistoma prominent; no bristles on the sides of the face: sucker black, clothed towards the tip with short tawny hairs: palpi tawny, beset with black bristles, widened towards the tips: eyes dark red, bare: feelers ferruginous, as long as the face; third joint black, very convex above, flat and ferruginous beneath, rounded at the tip, a little shorter than the second joint; bristle bare, tapering, less than twice the length of the third feeler-joint, its second joint full twice the length of the first: chest dark tawny, adorned with five very indistinct darker stripes, beset with black bristles; breast paler, clothed with white hairs; scutcheon ferruginous: abdomen black, slightly shining, much broader than the chest, clothed with black hairs, beset with black bristles and spines, adorned with dark tawny reflections towards the tip: legs black, clothed with black hairs and bristles; claws tawny at the base; foot-cushions yellow: wings brown, brownish tawny at the base; wing-ribs deep tawny; veins pitchy; tip cross-vein forming a hardly acute angle with the fourth longitudinal vein, curved inward near the base, straight from hence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein having a slight inward curve near the base, and a short, but hardly perceptible outward curve close to the tip; scales brown, with tawny borders. Length of the body 6 lines; of the wings 13 lines.

a. ———?

TACHINA seminigra, *Wied. Auss. Zweif.* ii. 296, 26.
a. Para. Presented by Gordon Graham, Esq.

TACHINA infirma, n. s. *Nigra, thorace cinereo, scutello piceo margine postico ferrugineo, abdomine nigro, antennis ferrugineis, articulo 3° nigro, pedibus nigris, alis cinereis basi fulvis.*

Body black: head yellowish white, tawny between the eyes, beset above with a few black hairs and bristles, clothed beneath with yellowish white hairs; epistoma very prominent; no bristles on

the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny, beset with short black bristles: eyes red, slightly bronzed: feelers ferruginous, as long as the face; third joint black, longer than the second, very convex above, flat beneath, rounded at the tip; bristle black, stout, naked, tapering, much longer than the third feeler-joint, though not near twice its length, its second joint long, twice the length of the first: chest and breast gray, clothed with black hairs and bristles; scutcheon pitchy, ferruginous on the hind border, armed with black spines: abdomen coal-black, shining, clothed with black hairs, armed with some black spines, which are mostly near the tip: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings gray, tawny at the base; wing-ribs tawny; veins pitchy, tawny at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two outward curves, the one short and at the base, the other longer and near the tip; scales dingy white. Length of the body 5½ lines; of the wings 9 lines.

a. Chili. From Mr. Cuming's collection.

Group XVIII.

Third joint of the feelers longer than the second, convex above, flat beneath, rounded at the tip; first and second joints of the bristle long, and of nearly equal length.

TACHINA candens, n. s. *Nigra, capite albido, abdomine nigro-rufo, antennis ferrugineis, articulo 3° supra piceo, pedibus nigris, alis cinereis basi fulvis.*

Head yellowish white, tawny with a pitchy stripe between the eyes, beset above with a few black bristles, clothed beneath with pale yellow hairs: epistoma prominent; no bristles on the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny, beset with short black bristles: eyes red, here and there pitchy, not hairy: feelers ferruginous, as long as the face; third joint longer than the second, pitchy and convex above, flat beneath, rounded at the tip: bristle black, downy, rather thick, tapering, longer than the third feeler-joint, its first and second joints long and of nearly equal length: chest black, thickly covered with tawny down, clothed with a few black hairs and bristles: scutcheon and abdomen armed with a few black spines, those on the abdomen are nearly all towards its tip: abdomen blackish red, shining, rather

paler, and with a slight tawny tinge here and there beneath: legs black, clothed with black hairs and bristles; hips and fore thighs covered with a tawny bloom; claws tawny, with black tips; foot-cushions pale tawny: wings gray, tawny at the base; wing-ribs tawny; veins pitchy, tawny at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the upper outward; scales yel lowish white. Length of the body 7 lines; of the wings 12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Group XIX.

Third joint of the feelers very convex on the back, much longer than the second joint, flat beneath, rounded at the tip; bristle pubescent; second joint much longer than the first, but not twice its length.

TACHINA carbonifera, n. s. *Cyaneo-nigra, capite flavo, antennis ferrugineis, articulo 3° nigro, pedibus nigris, alis cinereis basi fulvis.*

Body bluish black, shining: head yellow, whitish in the cavity for the feelers, beset above and in front with black bristles, clothed beneath with pale yellow hairs; epistoma prominent; a few bristles on the lowest part of the sides of the face: sucker black, pitchy, and clothed with short tawny, hairs at the tip; palpi tawny, beset with short black bristles: feelers ferruginous, as long as the face; third joint black, longer than the second, very convex above, ferruginous towards the lower border, which is flat; bristle downy, tapering from the base to the tip, not much longer than the third feeler-joint, its second joint long, more than twice the length of the first: chest beset with black hairs and bristles: breast slightly gray: abdomen clothed with black hairs, armed with some black spines, which are mostly towards the tip: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions pale tawny: wings gray, tawny towards the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, having a slight inward curve which decreases from the base to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two extremely slight curves, the lower inward, the upper outward; scales very dingy white. Length of the body 6 lines; of the wings 12 lines.

a. ——— ?

Group XX. Dumerillia, *Desv. Essai Myod.* 38.

Group XXI. Peleteria, *Desv. Essai Myod.* 39.

TACHINA abdominalis. Peleteria abdominalis, *Desv Essai Myod.* 41, 4. Echinomyia abdominalis, *Macq. Hist. Nat. Dipt.* ii. 78, 26. *Meig. Dipt.* vii. 186, 20.
a. Albania. Presented by W. W. Saunders, Esq.

Group XXII. Faurella, *Desv. Essai Myod.* 41.

TACHINA meridionalis. Faurella meridionalis, *Desv. Essai Myod.* 41, 1. Echinomyia meridionalis, *Macq. Hist. Nat. Dipt.* ii. 79, 28. *Meig. Dipt.* vii. 186, 19.
a. Albania. Presented by F. Walker, Esq.

Group XXIII. Fabricia, *Desv. Essai Myod.* 42.

TACHINA ferox, *Panz. Faun. Germ.* 104, 20. *Meig. Dipt.* iv. 240, 2. Musca rotundata, *Harr. Ex.* 35, *pl.* 9, *f.* 2. M. ferox, *Panz. Faun. Germ.* 104, 20. Echinomyia ferox, *Macq. Hist. Nat. Dipt.* ii. 75, 17. *Ann. Soc. Ent. France*, 2*me série* iii. 254, 1, *pl.* 4, *f.* 2. *Zett. Dipt. Scand.* iii. 999, 8. Fabricia ferox, *Desv. Essai Myod.* 42, 1. *Ann. Soc. Ent. France*, 2*me série* ii. 12, 1.
a. England.
b. France.
c. Italy. From Dr. Leach's collection.
d. ———? From Mr. Children's collection.

TACHINA florum, *Barnston's MSS. Nigra, capite fulvo, thorace nigroæneo, scutello nigro-rufo, abdomine ferrugineo nigro vittato, antennis ferrugineis, articulo* 3° *nigro, basi fulvo, pedibus nigris, alis cinereis basi fulvis.*

Body black: head tawny, adorned with whitish lustre, almost black between the eyes, beset above with black bristles, clothed beneath with yellow hairs; epistoma very prominent; no bristles on the sides of the face: eyes red: sucker black, clothed at the tip with short tawny hairs; palpi tawny, slender, beset with black bristles: feelers ferruginous, as long as the face; third joint black, rather more than half the length of the second, tawny at the base beneath, deepening above and below from the base to the tip, which

is truncated; bristle black, downy, stout, tapering, hardly more than twice the length of the third feeler-joint, its second joint long, more than twice the length of the first: chest black, with a very slight brassy tinge, clothed with black hairs and bristles: scutcheon reddish black: abdomen ferruginous, adorned with a broad black stripe, clothed with black hairs and bristles; legs black, clothed with black hairs and bristles; claws ferruginous, with black tips; foot-cushions dark tawny: wings gray, tawny at the base; wing-ribs ferruginous; veins tawny, pitchy towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two hardly perceptible curves, the one inward and near the base, the other outward and towards the tip; scales white. Length of the body 4½—5½ lines; of the wings 10—11 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

TACHINA algens, *Wied. Auss. Zweif.* ii. 285, 8. Echinomyia picea, *Desv. Essai Myod.* 44, 2. *Macq. Hist. Nat. Dipt.* ii. 3, 372, *pl.* 3, *f.* 4.
a. Nova Scotia. From Lieut. Redman's collection.

Group XXIV. Echinomyia, *Dumeril.*

TACHINA tepens, n. s. *Nigra, capite aureo, thoracis lateribus scutelloque ferrugineis, abdomine nigro-rufo, antennis fulvis, pedibus nigris, alis subfuscis basi et ad costam fulvis.*

Head gold colour, paler in the cavity for the feelers, somewhat darker on the crown and between the eyes, beset above with black bristles, clothed beneath with yellow hairs; epistoma hardly prominent; no bristles on the sides of the face: sucker black, pitchy, and beset with short tawny hairs at the tip: eyes pitchy: feelers tawny, shorter than the face; third joint much shorter than the second, black above, slightly convex above and below, rounded at the tip; bristle pitchy, tapering, naked, rather more than twice the length of the third feeler-joint, its first and second joints rather long, of nearly equal length: chest black, clothed with black hairs and bristles, ferruginous on each side; scutcheon ferruginous, armed with some long black spines: abdomen blackish red, clothed with short black hairs, paler towards the tip, which is armed with black spines: legs black, clothed with black hairs and bristles; foot-cushions tawny:

wings pale brown, somewhat darker along the borders of the veins, bright tawny towards the base and along half the length of the fore border; wing-ribs ferruginous; veins pitchy, tawny where the wings have that colour; tip cross-vein forming a very slightly acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight, with the exception of two hardly perceptible outward curves, the one at the base, the other at the tip; scales dingy yellow. Length of the body 9 lines; of the wings 18 lines.

a. Silhet. From Mr. Sowerby's collection.
b. ——— ?

Var. β. Chest and abdomen paler: third joint of the feelers all tawny. Length of the body 6 lines; of the wings 14 lines.

a. Madras. Presented by Walter Elliott, Esq.

TACHINA fimbriata, n. s. *Nigra, capite aureo, scutello rufo-nigro, abdomine rufo nigro vittato, antennis pedibusque ferrugineis, femoribus nigris, alis fusco-cinereis basi fulvis.*

Body black: head gold colour, dull tawny between the eyes, beset above with black hairs and bristles, clothed beneath and more thickly behind with yellow hairs; epistoma somewhat prominent; no bristles on the sides of the face; sucker black, pitchy, and clothed with tawny hairs at the tip: palpi tawny, slender, rather long, beset with black bristles: eyes red: feelers ferruginous, as long as the face; third joint black, ferruginous beneath towards the base, much shorter than the second joint, slightly convex above, more convex beneath, rounded at the tip; bristle black, naked, tapering from the base to the tip, full twice the length of the third feeler-joint, its second joint rather long, more than twice the length of the first joint: chest and breast clothed with black hairs and bristles, slightly covered with grayish tawny bloom; scutcheon reddish black, armed with a few black spines: abdomen very dark red, with a black stripe in the middle, clothed with black hairs, armed with some black spines, which are mostly towards the tip: legs ferruginous, clothed with black hairs and bristles; thighs black; foot-cushions yellow; claws tawny, with black tips: wings brownish gray, pale tawny at the base; wing-ribs ferruginous; veins pitchy, tawny towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved a little inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two long and very indistinct curves, the lower inward, the upper outward; scales

yellowish white. Length of the body 7 lines; of the wings 12 lines.

a. ——— ? From Mr. Children's collection.

TACHINA grossa, *Fabr. Syst. Antl.* 310, 7. *Fall. Musc. Act. Holm.* 1810, 261, 1. *Meig. Dipt.* iv. 239, 1. *Latr. Reg. Anim.* v. 510. Musca grossa, *Linn. Syst. Nat.* ii. 991. *Faun. Suec.* 1837. *Gmel. Ed. Syst. Nat.* v. 2845, 75. *Fabr. Sp. Ins.* ii. 441. *Ent. Syst.* iv. 325, 53. *Reaum. Ins.* iv. *pl.* 26, *f.* 10. *Deg. Ins.* vi. 12, 1, *pl.* 1, *f.* 1, 2. *Panz. Faun. Germ.* 30, 21. *Herbst. Gem. Nat.* viii. 109, 14, *pl.* 341, *f.* 2. *Harr. Ex.* 35, *pl.* 9, *f.* 1. *Don. Brit. Ins.* x. 53, *pl.* 346, *f.* 1. *Stew. El.* ii. 259. *Turt.* iii. 605. *Shaw, Gen. Zool*, vi. 385. *Lam. Anim. sans Verteb.* iii. 362, 8. Echinomyia grossa, *Dumeril, Latr. Gen. Crust.* iv. 343. *Cons. Gen.* 444. *Desv. Essai Myod.* 44, 1? *Ann. Soc. Ent. France, 2me série*, ii. 141. *Macq. Hist. Nat. Dipt.* ii. 71, 1. *Ann. Soc. Ent. France, 2me série*, iii. 255, 2, *pl.* 4, *f.* 6. *Zett. Dipt. Scand.* iii. 992, 1.

a. England.
b. France.
c. ——— ?

TACHINA basifulva, n. s. *Cinerea, capite albo, thoracis vittis quatuor obscurioribus, abdomine cyaneo-nigro, antennis nigris, articulo 3° subtus ferrugineo, pedibus nigris, alis fusco-cinereis basi fulvis.*

Head white, beset above and in front with a few black bristles, clothed beneath with white hairs: crown blackish, thinly clothed with hoary hairs; a pitchy stripe between the eyes; epistoma slightly prominent; no bristles on the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi pitchy, clothed with short black bristles tawny towards the tips: eyes pitchy: feelers black, hardly shorter than the face; third joint shorter than the second, very convex above, flat and ferruginous beneath, rounded at the tip; bristle naked, tapering from the base to the tip, less than twice the length of the third feeler-joint; its second joint more than twice the length of the first joint: chest gray, with four darker, slender, very indistinct stripes, slightly shining, clothed with black hairs and bristles, somewhat tawny about the roots of the wings; scutcheon armed with black spines: abdomen bluish black, shining, beset with black hairs and spines, slightly covered with a gray bloom: legs black, clothed with black hairs and bristles; foot-cushions small, pale tawny: wings brownish gray, tawny towards the base; wing-ribs tawny; veins tawny,

pitchy towards the tips; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein almost straight, with the exception of two very indistinct curves, the lower inward, the upper outward; scales blackish. Length of the body 5—5½ lines; of the wings 11—12 lines.

a. Jamaica. From Mr. Gosse's collection.

Tachina Anaxias, n. s. *Nigra, capite fulvo, thorace vittis quinque canis, scutello abdominisque apice rufis, antennis ferrugineis, articulo 3° nigro, pedibus nigris, alis fuscis basi subfulvis.*

Body black: head tawny, with paler reflections, darker on the crown, beset above with black bristles, clothed beneath with pale yellow hairs; epistoma very prominent; no bristles on the sides of the face: sucker black, pitchy, and clothed with short tawny hairs at the tip; palpi tawny, very slender, beset with black bristles: eyes red: feelers ferruginous, as long as the face; third joint black, more than half the length of the second, very convex above, flat beneath, rounded at the tip; bristle black, naked, tapering, about twice the length of the third feeler-joint, its second joint long, about twice the length of the first: chest clothed with black hairs and bristles, adorned with five indistinct hoary stripes; scutcheon dull dark red: abdomen black, with hoary reflections, clothed with black hairs, armed with a few black spines; the last segment red: legs black, clothed with black hairs and bristles; claws tawny, with black tips; foot-cushions pale yellow: wings brown, with a tawny tinge towards the base; wing-ribs and veins tawny, the latter pitchy towards the tips; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it is slightly curved outward; scales dingy white. Length of the body 5 lines; of the wings 10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Tachina fera, *Fabr. Syst. Antl.* 308, 1. *Fall. Act. Holm.* 1810, 262, 2. *Musc.* 3, 2. *Meig. Dipt.* iv. 340, 3. Musca reccumbo, *Harr. Ex.* 35, *pl.* 9, *f.* 4. Echinomyia fera, *Dumeril, Latr. Gen. Crust.* iv. 343. *Desv. Essai Myod.* 46, 9. *Ann. Soc. Ent. France, 2me série*, ii. 14, 1. *Macq. Hist. Nat. Dipt.* ii. 72, 5. *Ann. Soc. Ent. France, 2me série*, iii. 256, 3, *pl.* 4, *f.* 1. *Zett. Dipt. Scand.* iii. 994, 3. Musca fera, *Linn. Syst. Nat.* ii. 991.

Faun. Suec. 1836. *Gmel. Ed. Syst. Nat.* 2845, 74. *Fabr. Sp. Ins.* ii. 441, 28. *Ent. Syst.* iv. 324, 29. *Schell. Gen. Mouch. pl.* 2, *f.* 1. *Herbst, Gem. Nat.* viii. 109, 13, *pl.* 341, *f.* 1. *Panz. Faun. Germ.* 20, 18? *Schrank, Faun. Boic.* iii. 2438. *Ins. Austr.* 934. *Geoff. Ins.* ii. 509, 33. *Stew, El.* 258. *Turt.* iii. 604. *Lam. Anim. sans Verteb.* iii. 362, 9. *Latr. Gen. Crust.* iv. 343. Var. Echinomyia analis, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 16, *B.* Var. E. intermedia, *Desv. Essai Myod.* 47, 10. *Ann. Soc. Ent. France, 2me série*, ii. 16, *C.* Var. E. nigrofemorata, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 16, *D.* Var. E. rubricornis, *Desv. Essai Myod.* 46, 7. *Ann. Soc. Ent. France, 2me série*, ii. 16, *E.* Var. E. testacea, *Desv. Essai. Myod.* 48, 14. *Ann. Soc. Ent. France, 2me série*, ii. 17. Var. Tachina tessellata, *Fabr. Syst. Antl.* 309, 5. *Meig. Dipt.* iv. 242, 5. Musca tessellata, *Fabr. Ent. Syst.* iv. 324, 5. Echinomyia tessellata, *Desv. Essai Myod.* 47, 11. *Macq. Hist. Nat. Dipt.* ii. 73, 10.? *Zett. Dipt. Scand.* iii. 997, 6. Var. E. erraus, *Desv. Essai Myod.* 45, 5. Var. E. vernalis, *Desv. Essai Myod.* 48, 12. Var. Tachina virgo, *Meig. Dipt.* iv. 243, 6. Echinomyia virgo, *Macq. Hist. Nat. Dipt.* ii. 73, 9. *Zett. Dipt. Scand.* iii. 995, 4. Var.? Echinomyia magnicornis, *Zett. Dipt. Scand.* iii. 996, 5. Var.? E. ferina, *Zett. Dipt. Scand.* iii. 998, 7. Var.? E. nigricornis, *Meig. Dipt.* vii. 182, 8.

a. England.
b. France.
c. Italy. From Dr. Leach's collection.
d. ——— ? From Mr. Children's collection.

TACHINA iterans, n. s. *Æneo picea, capite fulvo, thorace cano vittato, scutello ferrugineo, abdomine fulvo nigro vittato, antennis nigris, articulo 2° ferrugineo, pedibus nigris, femoribus tibiisque subtus ferrugineis, alis subcinereis basi subfulvis.*

Head pale tawny, darker, and including a pale ferruginous stripe between the eyes, beset above and in front with black bristles, clothed beneath with pale yellow hairs; epistoma very prominent; no bristles on the sides of the face: sucker black, clothed at the tip with short tawny hairs; palpi tawny, beset with black bristles: eyes red, slightly bronzed: feelers black, as long as the face; second joint mostly ferruginous; third joint much shorter than the second, extremely convex above, slightly convex beneath, almost truncated at the tip; bristle naked, stout, tapering, a little longer than the third feeler-joint, its first and second joints long, of nearly equal length: chest pitchy, with a slight brassy tinge, beset

with black bristles, adorned with hoary stripes; scutcheon ferruginous, tinged with a brassy brown hue: abdomen tawny, with some slight tawny reflections, adorned on the back with an irregular black stripe: legs black, clothed with black hairs and bristles; thighs and shanks dark ferruginous beneath; claws ferruginous, with black tips; foot-cushions pale tawny: wings pale gray, with a slight tawny tinge at the base; wing-ribs and veins tawny; veins pitchy at the tips; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein very slightly curved outward along nearly the whole length; scales dingy white. Length of the body 4½ lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Sacontala, n. s. *Nigra, thoracis lateribus scutelloque ferrugineis, abdomine fulvo vitta dorsali nigra, pedibus fulvis, femoribus nigris, alis subcinereis.*

Head wanting: chest and breast black: chest clothed with black hairs, beset with black bristles; sides and scutcheon ferruginous; scutcheon armed with some black spines: abdomen tawny, with paler reflections along the sutures, clothed with black hairs, armed towards the tip with black spines, adorned on the back with a black stripe, which tapers from the base and disappears before the last segment: legs tawny, beset with black hairs and bristles; hips and thighs black: wings light gray; wing-ribs and veins tawny; cross-vein in the disk and tip cross-vein pitchy; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein very slightly curved outward along the whole length; scales dingy white, with pale tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. Nepaul. From the Hardwicke bequest.

TACHINA punctifera, n. s. *Cinereo-fulva, capite scutelloque fulvis, abdomine fulvo, albo micante vittaque nigra dorsali ornato, antennis ferrugineis, articulo 3° nigro, pedibus nigris, tibiis fulvis, alis subcinereis fusco binotatis.*

Head tawny, darkest above, closely covered with whitish shining down, beset with a few black hairs and bristles, thickly clothed beneath behind and on each side with yellow hairs; epistoma very prominent; no bristles on the sides of the face: sucker pitchy,

clothed towards the tip with short yellow hairs: eyes dark red: feelers dark ferruginous, as long as the face; third joint black, not much shorter than the second, extremely convex above, flat beneath, rounded at the tip: bristle black, stout, tapering, not much longer than the third feeler-joint, its first and second joints long, strongly marked, of equal length; first joint curved: chest and breast black, covered with grayish tawny bloom, clothed with black hairs: chest indistinctly striped, beset with black bristles; scutcheon tawny: abdomen tawny, nearly cylindrical, much longer than the chest, adorned with whitish reflections, clothed with black hairs, armed towards the tip with black spines; a black stripe on the back forms a triangular spot on each segment and occupies the whole breadth of the tip: legs black, clothed with black hairs and bristles; shanks dark tawny; foot-cushions pale tawny: wings light gray: wing-ribs and veins tawny; veins pitchy towards the tips; the little cross-vein in the disk and the lower end of the tip cross-vein clouded with brown; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved a little inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it has an outward curve; scales pale tawny. Length of the body 6 lines of the wings 10 lines.

a. Massachusetts. From Prof. Sheppard's collection.

TACHINA lurida, *Fabr. Syst. Antl.* 310, 6. *Meig. Dipt.* iv. 244, 8. T. leucocoma, *Meig. Dipt.* iv. 244, 9. Musca lurida, *Fabr. Sp. Ins.* ii. 441, 29. *Ent. Syst.* iv. 324, 52. *Gmel. Ed. Syst. Nat.* v. 2845, 205. Echinomyia lurida, *Macq. Hist. Nat. Dipt.* ii. 75, 14. *Ann. Soc. Ent. France, 2me série*, iii. 264, 11, *pl.* 4. *f.* 10. E. cuculliæ, *Desv. Essai Myod.* 49, 16. *Ann. Soc. Ent. France, 2me série*, ii. 195. E. lateralis, *Desv. Essai Myod.* 49, 15. E. leucocoma, *Macq. Hist. Nat. Dipt.* ii. 75, 15. *Ann. Soc. Ent. France, 2me série*, iii. 265, 13, *pl.* 4, *f.* 9.

a. England.
b. France.

TACHINA aberrans, n. s. *Cinerea, capite fulvo, thorace vittis quatuor nigris, pectore cano, scutello abdomineque ferrugineis, antennis fulvis articulo 3° piceo, pedibus fulvis? alis subfuscis.*

Head pale tawny, covered with a white lustre, beset with a few black bristles, thinly clothed with white hairs; epistoma slightly prominent; no bristles on the sides of the face: sucker pitchy, ferruginous, and clothed with tawny hairs towards the tip: eyes red, slightly bronzed: feelers tawny, as long as the face; third joint

pitchy, much shorter than the second, slightly convex above, flat beneath, obliquely truncated at the tip: chest gray, clothed with black hairs and bristles, adorned with four black stripes, middle pair of stripes slender, outer pair broader: breast hoary: scutcheon and abdomen ferruginous, with tawny reflections; scutcheon armed with a few long black bristles: abdomen obconical, clothed with short black hairs, and towards the tip with some black spines: legs tawny? wings pale brown; wing-ribs and veins tawny; veins pitchy towards the tips; cross-veins very slightly bordered with brown; tip cross-vein forming a hardly acute angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip; lower cross-vein straight for half the length, slightly curved outward from thence to the tip; scales white; poisers tawny. Length of the body 5½ lines; of the wings 10 lines.

a. ———?

Group XXV. Servillia, *Desv. Essai Myod.* 49.

TACHINA ursina, *Meig. Dipt.* iv. 245, 11. Musca fusca, albocincta, *Geoff.* Servillia ursina, *Desv. Essai Myod.* 50, 1. *Ann. Soc. Ent. France, 2me série*, ii. 22, 1. Var. S. pilosa, *Desv. Essai Myod.* 50, 2. Echinomyia ursina, *Macq. Hist. Nat. Dipt.* ii. 76, 18. *Ann. Soc. Ent. France, 2me série*, iii. 265, 12. Var. E. pilosa, *Macq. Dipt. Nord.* 184, 2. *Hist. Nat. Dipt.* ii. 76, 19. Var. E. subpilosa, *Macq. Dipt. Nord.* 184, 3. *Hist. Nat. Dipt.* ii. 76, 23. Servillia pilosa, *Meig. Dipt.* vii. 187, 5. S. subpilosa, *Meig. Dipt.* vii. 188, 6.

a. England.

Group XXVI. Eurithia, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 24.

TACHINA viridulans. Erigone puparum, *Desv. Essai Myod.* 67, 4. E. tesselans, *Desv. Essai Myod.* 67, 6. E. viridulans, *Desv. Essai Myod.* 68, 7. E. dubia, *Desv. Essai Myod.* 68, 8. Nemoræa viridulans, *Macq. Hist. Nat. Dipt.* ii. 101, 10. Eurithia puparum, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 25, 1.

a. England.

b. ———?

Group XXVII. Cuphocera, *Macq. Ann. Soc. Ent. France, 2me série*, iii. 265, 12.

Group XXVIII.

Third joint of the feelers deep, slightly increasing in depth from the base to the tip, where it is truncated, much longer than the second joint, but not near twice its length; bristle stout, tapering; second joint much longer than the first.

TACHINA speculifera, n. s. *Nigra, nitens, capite albo-hirto, thoracis vittis duabus scutelloque ferrugineis, pectore cinereo, abdominis apice cano, antennis pedibusque nigris illorum articulis 1° et 2° apice ferrugineis, alis cinereis.*

Body black, very shining: head covered in front with white down, thickly clothed behind and beneath with white hairs, beset above with black bristles; sides of the face fringed with bristles at the base; epistoma prominent; sucker pitchy, clothed at the tip with tawny hairs; eyes red, thickly covered with hoary down: feelers black, nearly as long as the face; first and second joints with ferruginous tips; third joint less than twice the length of the second, flat above, slightly deepening from the base to the tip, which is almost truncated; bristle tapering, about twice the length of the third feeler-joint, its second joint longer than the first: chest beset with very few black bristles, adorned with a ferruginous stripe along each side; scutcheon ferruginous; breast gray: abdomen clothed with black hairs, armed with black spines towards the tip, each side of which is adorned with hoary reflections: legs black, clothed with black hairs, armed with black spines and bristles; claws ferruginous at the base; foot-cushions pale tawny: wings gray; wing-ribs and veins pitchy; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, which sends forth a stump beyond it, very slightly curved inward at the base, straight from thence to the tip, joining the border at a short distance above the tip; lower cross-vein with two very slight curves, the lower inward, the other outward and very indistinct; scales dingy white. Length of the body 4 lines; of the wings 10 lines.

a. North America. Presented by the Entomological Club.

Group XXIX.

Third joint of the feelers longer than the second, very convex above, flat beneath, rounded at the tip; second joint of the bristle twice the length of the first.

TACHINA Ampelus, n. s. *Nigra, capite argenteo, thoracis vittis quinque canis, scutelli margine postico rufo, abdomine cano micante, apice rufo, antennis pedibusque nigris, alis subcinereis.*

Body black: head covered with a silvery bloom, tawny about the mouth, beset with black hairs and bristles, clothed behind and beneath with white hairs; sides of the face fringed with bristles at the base; epistoma very prominent; sucker black, clothed at the tip with tawny hairs; palpi tawny: eyes red, thickly clothed with tawny down: feelers black, nearly as long as the face; third joint longer than the second, very convex above, flat beneath, rounded at the tip; bristle naked, rather stout, though tapering from the base to more than half the length; second joint long, twice the length of the first: chest clothed with black hairs and bristles, adorned with five indistinct hoary stripes; scutcheon armed with long black spines, dark red along the hind border: abdomen covered with black hairs and with a few black spines, adorned with hoary reflections; last segment red, shining: legs black, clothed with black hairs and bristles; claws towards the base and foot-cushions tawny: wings light gray: wing-ribs and veins pitchy; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly curved inward along its whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; scales dingy white. Length of the body 4 lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Group XXX.

Third joint of the feelers full as long as the second, flat above, slightly convex beneath, deepening from the base to the tip, which is truncated; second joint of the bristle longer than the first.

TACHINA degenera, n. s. *Nigra, capite antico flavo pubescente, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head tawny about the mouth, covered in front with pale yellow down, beset above with a few black bristles, clothed beneath with some pale yellow hairs; sides of the face fringed with bristles at the base; epistoma very prominent: sucker black, dark ferruginous and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: eyes dark red, not hairy: feelers black, nearly as long as the face; third joint full as long as the second, flat above, slightly convex be-

neath, deepening from the base to the tip, which is truncated; bristle naked, its second joint of moderate length, longer than the first: scutcheon and abdomen towards the tip armed with some long black spines: legs black, clothed with black hairs and bristles; claws ferruginous at the base; foot-cushions pale yellow: wings slightly gray; wing-ribs and veins pitchy; tip cross-vein forming a right angle with the fourth longitudinal vein, which sends forth a very short stump beyond it, much curved inward, straight towards the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower distinct and inward, the other outward and hardly perceptible; scales dingy white. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq..

Div. B. Anthophilæ, *Desv. Essai Myod.* 51.

Group I.

Third joint of the feelers nearly linear, slightly concave above, flat beneath, twice or almost twice the length of the second joint; second joint of the bristle short, but longer than the first; middle legs long.

TACHINA Anthemon, n. s. *Fulva, thorace cinereo, abdominis apice nigro, antennis fulvis articulo 3° ferrugineo, pedibus fulvis, alis fusco-fulvis.*

Head tawny, partly covered with white shining down; borders of the cavity between the eyelets and the feelers gray, and beset with black bristles; head elsewhere beset with a few black bristles, paler and clothed with some white hairs beneath; epistoma not prominent; sides of the face fringed with bristles for one-third of the length from the base: sucker tawny, thinly clothed with pale yellow hairs; palpi tawny, beset with black bristles: eyes red, covered with whitish down; facets on the fore part rather larger than those elsewhere: feelers tawny, shorter than the face; third joint ferruginous, slender, almost linear, slightly concave above, flat beneath, rounded at the tip, about twice the length of the second joint; bristle black, tawny at the base, tapering, more than twice the length of the third feeler-joint, its second joint short, but longer than the first: chest and breast gray; chest beset with black bristles; sides tawny, and clothed like the breast with short tawny hairs; scutcheon covered

with white down and beset with black bristles: abdomen pale tawny, beset with black bristles, these are mostly towards the tip, which is black: legs pale tawny, rather long, especially the middle pair, beset with black bristles; tips of the claws black; foot-cushions yellow: wings brownish tawny, rather darker along the borders of the veins; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a right angle with the fourth longitudinal vein, which sends forth a stump beyond it, very slightly curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower slight and inward, the upper outward and more distinct; scales pale yellow; poisers tawny. Length of the body 7 lines; of the wings 14 lines.

a. Brazil. From Mrs. Noel's collection.

TACHINA Amisias, n. s. *Fulva, thorace flavo-fusco vittis quinque nigris, abdominis apice nigro, antennis fulvis articulo 3° nigro, pedibus fulvis, alis subfuscis.*

Head tawny, covered with pale yellow down, beset with a few black bristles, more thickly clothed beneath with yellow hairs; cavity between the eyelets and the feelers brown, its borders grayish tawny and beset with black bristles; epistoma not prominent; sides of the face fringed with bristles for one-third of the length from the base; sucker tawny, clothed with a few yellow hairs; palpi tawny, beset with black bristles: eyes red, with a slight brassy tint, clothed with pale yellow down: feelers tawny, shorter than the face; third joint black, nearly linear, deeper than that of *T. Anthemon*, very slightly concave above, flat beneath, rounded at the tip, almost twice the length of the second joint; bristle black, tapering, much more than twice the length of the third feeler-joint, its second joint short, but not longer than the first: chest yellowish brown, adorned with five interrupted black stripes, beset with black bristles; scutcheon tawny; breast tawny, covered with a hoary bloom, clothed with short yellow hairs: abdomen pale tawny, beset with black bristles, these are mostly towards the tip, which is black: legs pale tawny, rather long, especially the middle pair, beset with black bristles; tips of the claws black; foot-cushions yellow: wings light brown; wing-ribs tawny; veins pitchy; tip cross-vein, like that of the preceding species, forming a very slightly obtuse angle with the fourth longitudinal vein; lower cross-vein with two curves, the lower inward, shorter and more distinct than the upper, which is outward; scales brown; poisers tawny. Length of the body 5 lines; of the wings 11 lines.

a. ——— ? From Mr. Children's collection.

Group II. Linnæmyia, *Desv. Essai Myod.* 52.

TACHINA Titan, n. s. *Nigra, scutello nigro-ferrugineo, abdomine ferrugineo, nigro vittato, antennis fulvis, articulo 3° nigro, pedibus nigris, alis subcinereis basi et ad costam fulvis, venis fusco nebulosis.*

Body deep black: head slightly covered with ferruginous bloom, beset with black hairs and bristles; epistoma slightly prominent; face dull tawny, its sides fringed with bristles along one-third of the length from the base; sucker black, ferruginous, and clothed with tawny hairs at the tip; palpi deep tawny, beset with black bristles: eyes pitchy: feelers deep tawny, much shorter than the face; third joint black, linear, slender, rounded at the tip, longer than the second; bristle black, slender, downy, tapering from the base to the tip, full thrice the length of the third joint; its second joint of moderate length, longer than the first: chest and breast very thickly clothed with black hairs and bristles; scutcheon very dark ferruginous with slight tawny reflections, beset with black bristles: abdomen ferruginous, clothed with short black hairs, and on each side towards the tip with longer black hairs, beset with black bristles, which are mostly towards the tip, adorned with a black stripe, which decreases in breadth from the base to the tip: legs black, clothed with black hairs and bristles; claws and foot-cushions tawny; tips of the claws black: wings light gray, bright tawny towards the base and along the fore borders for half the length; wing-ribs ferruginous; veins tawny, pitchy, and distinctly bordered with brown in the gray part of the wing; tip cross-vein forming a right angle with the fourth longitudinal vein, very slightly curved outward along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, straight from thence to the tip, where it is very slightly curved outward; scales dingy white. Length of the body 10 lines; of the wings 22 lines.

a. Silhet.

TACHINA vulpina, *Fall. Musc.* 23, 47, *Meig. Dipt.* iv. 260, 35. *Zett. Dipt. Scand.* iii. 1087, 84. Linnæmyia sylvestris, *Desv. Essai Myod.* 53, 2. L. vulpina, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 30, 1. Var.? L. ænanthis, *Desv. Ann. Soc. Ent. France, 2me série*, ii. 33, 3. Bonnetia ænanthis, *Desv. Essai Myod.* 56, 2. Micropalpus vulpinus, *Macq. Hist. Nat. Dipt.* ii. 81, 2. *Ann. Soc. Ent. France, 2me série*, iii. 270, 1, *pl.* 5, *f.* 1. *Meig. Dipt.* vii. 217, 2, *pl.* 70, *f.* 18. Musca investigator? *Harr. Ex.* 35, *pl.* 9, *f.* 3.

a. England.

b. ——— ?

TACHINA fulgens, *Meig. Dipt.* iv. 259, 34, *pl.* 41, *f.* 23. *Zett. Dipt. Scand.* iii. 1096, 93. Linnæmyia Heraclæi, *Desv. Essai Myod.* 53, 3. *Ann. Soc. Ent. France, 2me série*, ii. 31, 2. L. analis, *Desv. Essai Myod.* 54, 4. L. borealis, *Desv. Essai Myod.* 54, 7. L. æstivalis, *Desv. Essai Myod.* 54, 6. Micropalpus Heraclæi, *Macq. Dipt. Nord.* 181, 3. *Hist. Nat. Dipt.* ii. 81, 3. *Meig. Dipt.* vii. 219, 14. M. analis, *Macq. Hist. Nat. Dipt.* ii. 82, 4. M. borealis, *Macq. Dipt. Nord.* 182, 4. *Hist. Nat. Dipt.* ii. 82, 5. *Meig. Dipt.* vii. 220, 15. M. fulgens, *Macq. Hist. Nat. Dipt.* ii. 83, 10. *Meig. Dipt.* vii. 217, 1, *pl.* 7, *f.* 12—14.

a. England.

b. France.

TACHINA Orbilius, n. s. *Plumbea, capite cano micante maculisque duabus rufis ornato, abdomine nigro-æneo, palpis fulvis, antennis ferrugineis, articulo 3° nigris basi ferrugineo, pedibus ferrugineis, tarsis nigris, alis albidis basi subfulvis.*

Body black: head covered with hoary lustre, thinly clothed with black hairs, beset with black bristles: a large red spot on each side of the face, which has a broad tawny border, and is fringed with bristles on each side of the base; epistoma slightly prominent: eyes dark red, hairy: sucker ferruginous, clothed with short tawny hairs; palpi tawny, beset with a few black bristles: feelers ferruginous, a little shorter than the face; third joint black, ferruginous at the base, about twice the length of the second joint, nearly linear, but slightly decreasing in depth from the base to the tip, which is rounded; bristle black, about twice the length of the third feeler-joint, its second joint hardly twice the length of the first; third joint stout for about one-third of its length, very slender from thence to the tip: chest and breast covered with a bluish gray bloom, clothed with black hairs: abdomen brassy, clothed with short black hairs, beset with black bristles: legs ferruginous, clothed with black hairs and bristles; shanks darker than the thighs; feet black; claws tawny at the base; foot-cushions dingy white: wings whitish, slightly tawny at the base; wing-ribs and veins tawny; veins black towards the tips; little cross-vein in the disk angular, clouded with brown; lower cross-vein slightly curved near the base, almost straight from thence to the tip; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, having an indistinct inward curve near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; scales dingy white, bordered with yellow; poisers pale tawny. Length of the body 4 lines; of the wings 8 lines.

a. England.

TACHINA Mesula, n. s. *Cana, capite antico fulvo, abdominis maculis duabus fulvis, segmentorum marginibus posticis nigris, palpis fulvis, antennis pedibusque nigris, tibiis fulvis, alis limpidis ad costam spinosis.*

Body black, mostly covered with hoary bloom: head tawny in front, clothed behind and beneath with black hairs, beset with a few black bristles, but having none along the sides of the face; epistoma slightly prominent: eyes dark red, not hairy: sucker pitchy, clothed at the tip with short pale hairs; palpi very slender, tawny, beset with black bristles: feelers black, as long as the face; third joint about thrice the length of the second, a little increasing in depth from the base to the tip, which is truncated; bristle black, stout till near the tip, much longer than the third feeler-joint, its second joint long, full twice the length of the first: chest and breast gray, clothed with black hairs and bristles: abdomen obconical, hoary, clothed with black hairs, armed with black spines, much longer than the chest; hind borders of the segments black; a large tawny spot on each side of the second segment: legs black, clothed with black hairs and bristles; shanks tawny: foot-cushions tawny: wings colourless, each with a spine on the fore border; wing-ribs tawny; veins black, yellow at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight till near the tip, where it has a slight inward curve, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight, but having a very slight inward curve a little below the middle; scales dingy white, with yellow borders; poisers tawny. Length of the body 4 lines; of the wings 7 lines

a. England.

Group III. Bonellia, *Desv. Essai Myod.* 56.

TACHINA picea, *Megerle, Meig. Dipt.* iv. 246, 12. Bonellia tessellans? *Desv. Essai Myod.* 56, 1. T. lateralis, mas.? *Desv. Essai Myod.* 57, 2. Micropalpus tessellans? *Macq. Hist. Nat. Dipt.* ii. 82, 6. *Meig. Dipt.* vii. 219, 13.

a. England.

TACHINA rubiginosa. Bonellia rubiginosa, *Desv. Essai Myod.* 57, 3. Micropalpus rubiginosus, *Macq. Dipt. Nord.* 182, 6. *Hist. Nat. Dipt.* ii. 83, 7. *Meig. Dipt.* vii. 219, 12.

a. England.

Note.—The definitions as groups of all the following described species of Tachina are comprised in the specific characters.

TACHINA Crisia, n. s. *Nigro-cinerea, capite antico ferrugineo, thoracis antici vittis quatuor nigris, abdominis segmentorum lateribus posticis canis, palpis antennis pedibusque nigris, alis subcinereis basi venarumque marginibus subfuscis.*

Body black: head ferruginous in front, yellow about the mouth, clothed above with black hairs, and beneath with pale tawny hairs; sides of the face fringed with bristles at the base; epistoma prominent: eyes dark red, hairy: sucker black, pitchy, and clothed with pale tawny hairs at the tip; palpi black, slender, beset with black bristles: feelers black, as long as the face; third joint nearly twice the length of the second, increasing in depth from the base to the tip, which is rounded; bristle tapering, more than twice the length of the third feeler-joint, its second joint full twice the length of the first: chest and breast clothed with black hairs and bristles, slightly covered with a gray bloom, which is interrupted by four slender black stripes on the fore part of the chest: abdomen shining, obconical, longer than the chest, clothed with black hairs, armed with black spines, covered with hoary bloom on each side of the hind borders of the segments: legs black, clothed with black hairs and bristles; foot-cushions and claws ferruginous; tips of the claws black: wings light gray, with a brownish tinge at the base and along the borders of the veins; wing-ribs tawny; veins pitchy, tawny at the base; tip cross-vein forming a nearly right angle with the fourth longitudinal vein, slightly curved inward along its whole length, joining the border at some distance above the tip of the wing; lower cross-vein with three curves, the first short, slight and outward, the second long, distinct and inward, the third long, slight and outward; scales dingy white, with pale yellow borders; poisers tawny. Length of the body 5 lines; of the wings 9 lines.

a. England.

TACHINA rudis, *Fall. Musc.* 27, 56. *Meig. Dipt.* iv. 246, 13. *Zett. Dipt. Scand.* iii. 1100, 97. Nemorea rudis, *Meig. Dipt.* vii. 221, 3.

a. England.

TACHINA fallax, *Meig. Dipt.* iv. 321, 142.

a. England.

TACHINA Tyche, n. s. *Cinerea, capite abdomineque cano micantibus, scutello ferrugineo, palpis antennis pedibusque nigris, alis subcinereis basi albidis.*

Body black: head covered with hoary lustre, thickly clothed beneath with yellowish white hairs, beset above and in front with a

few stout black bristles, some of which fringe the sides of the face along half the length from the base; epistoma prominent: eyes pitchy, hairy: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, as long as the face; third joint linear, slender, slightly rounded at the tip, about four times the length of the second; bristle downy, not much longer than the third joint, stout for two-thirds of its length, slender from thence to the tip, its second joint twice the length of the first: chest and breast covered with a gray bloom: chest clothed with black hairs and bristles; scutcheon dark ferruginous, armed with black spines: abdomen obconical, hardly longer than the chest, adorned with hoary reflections, beset with black hairs and spines: legs black, clothed with black hairs and bristles; claws and foot-cushions black: wings slightly gray, whitish at the base; wing-ribs and veins tawny; tips of the veins pitchy; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight, joining the border a little before the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward and very indistinct; scales white. Length of the body 3½ lines; of the wings 7 lines.

a. England.

Tachina Megaleas, n. s. *Cinerea, capite abdomineque cano micantibus, huic vitta dorsali fasciisque tribus nigris, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles; head covered with white lustre, which in some directions, and especially on the crown, has a tawny hue, clothed behind and beneath with hoary hairs, ferruginous on each side of the mouth; epistoma yellow, not prominent; sides of the face fringed with bristles; a black stripe between the eyelets and the base of the feelers: eyes ferruginous, not hairy: sucker pitchy, clothed with pale tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, nearly as long as the face; second joint ferruginous at the tip; third joint much longer than the second, flat above, slightly convex beneath, obliquely truncated at the tip; bristle nearly twice the length of the third feeler-joint, its second joint full twice the length of the first; third joint stout for little more than one-fourth of the length, very slender from thence to the tip: chest and breast slightly gray; scutcheon armed with some long black spines: abdomen obconical, a little longer than the chest, having beneath a slight dark ferruginous tinge, adorned above with hoary lustre, which is interrupted by a black stripe and by three black bands; the bands are on the hind borders of the segments, and successively increase in breadth to-

wards the tip of the abdomen: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings slightly gray; wing-ribs tawny; veins pitchy, tawny towards the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, and more slightly curved inward from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight near the base, having a decided inward curve in the middle, and a much more slight outward curve near the tip; scales white, with yellow borders. Length of the body 4 lines; of the wings 7 lines.

a. England.

TACHINA Pitho, n. s. *Cinereo-fulva, abdominis vitta dorsali et segmentorum marginibus posticis nigris, palpis fulvis, antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head covered with tawny bloom, clothed beneath with gray hairs; a black stripe between the eyelets and the base of the feelers; epistoma pale tawny, not prominent; sides of the face fringed with bristles: sucker black, clothed at the tip with tawny hairs; palpi tawny, slender, beset with black bristles: eyes pitchy, not hairy: feelers black, about three-fourths of the length of the face; tip of the second joint ferruginous; third joint nearly linear, slightly increasing in depth towards the tip, which is truncated, much less than twice the length of the second joint: bristle about twice the length of the third joint, rather stout, though tapering for half the length, slender from thence to the tip, its second joint about twice the length of the first: chest covered with grayish tawny bloom: abdomen obconical, longer than the chest, covered above with grayish tawny bloom, which is interrupted by black bands, on the hind borders of the segments and by a black stripe; the bands are narrower beneath: legs black, clothed with black hairs and bristles; foot-cushions pale bright tawny: wings gray; wing-ribs dark tawny; veins black, tawny towards the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, whose continuation beyond it is slightly indicated, curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein straight, with the exception of two slight curves, one inward and near the base, the other outward and very near the tip; scales dingy white, with yellow borders. Length of the body 4 lines; of the wings 7½ lines.

a. England.

TACHINA Orasus, n. s. *Cinerea, capitis lateribus ferrugineo maculatis, thoracis vittis tribus nigris, scutello ferrugineo, abdomine cano nigroque tessellato, palpis piceis, antennis ferrugineis, articulo 3° pedibusque nigris, alis cinereis, venis fusco marginatis.*

Body black, clothed with black hairs and bristles: head covered with dull tawny bloom, clothed behind and beneath with black hairs, pitchy and furrowed between the eyelets and the base of the feelers, adorned with a large ferruginous spot on each side of the face; epistoma not prominent, no bristles on the sides of the face: eyes pitchy, hairy: sucker black, slender, long, clothed at the tip with a few tawny hairs; palpi pale pitch-colour, long, slender, beset with black bristles: feelers hardly three-fourths of the length of the face; first and second joints dark ferruginous; third joint black, slightly concave above, equally convex beneath, rounded at the tip, about thrice the length of the second joint; bristle black; second joint rather more than twice the length of the first; third joint much longer than the third feeler-joint, stout, though tapering for full one-third of its length, slender from thence to the tip: chest covered with a dark gray bloom, which is interrupted by three indistinct black stripes, hoary on each side; scutcheon ferruginous, armed with some long black spines: abdomen nearly oval, not longer than the chest, tessellated, or adorned with hoary reflections, which are interrupted by four rows of black intervals, the latter are most conspicuous on each side: legs black, slender, rather long, clothed with black hairs and bristles: foot-cushions small, pale tawny: wings gray, brown along the borders of the veins; wing-ribs dark tawny; veins black, tawny as the base; tip cross-vein forming an angle with the fourth longitudinal vein, which projects a little beyond, curved inward near the base, slightly waving from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two large and distinct curves, one inward and near the base, the other outward and towards the tip; scales tawny, with dark borders. Length of the body 4 lines; of the wings 8 lines.

a. New Zealand. Presented by Dr. Sinclair.

Group IV. Marshamia, *Desv. Essai Myod.* 57.

TACHINA Mestor, n. s. *Nigra, capite thoracis lateribus scutelloque ferrugineis, abdomine fulvo basi nigro, antennis ferrugineis, pedibus fulvis, tarsis nigris, alis subcinereis.*

Head ferruginous, brighter in the face, along whose sides there are no bristles; a pitchy stripe between the eyelets and the base of the feelers; underside clothed with white hairs; epistoma not pro-

minent: sucker black, clothed at the tip with short tawny hairs: eyes red, with a brassy tinge, not hairy: feelers ferruginous, very short, half the length of the face; third joint nearly elliptical, longer than the second, but not much deeper; bristle black, tapering, stout near the base, very slender towards the tip, more than twice the length of the third feeler-joint, its first and second joints of moderate and equal length: chest and breast dark gray: chest clothed with black hairs and bristles; sides slightly ferruginous; scutcheon ferruginous: abdomen tawny, rather long and narrow, nearly cylindrical, tapering towards the tip, thinly beset with short black bristles, armed on the sides of the hind borders of the segments and at the tip with black spines, black at the base, and having an interrupted black stripe from the middle to the tip of the back: legs tawny, clothed with black hairs, beset with black bristles; feet black; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins pitchy; tip cross-vein forming a right angle with the fourth longitudinal vein, which sends forth a short stump beyond it, very slightly curved along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward and very distinct, the other outward and very slight; scales pale tawny. Length of the body 5½ lines; of the wings 10 lines.

a. New Zealand. Presented by Dr. A. Sinclair.

Group VI.

TACHINA Scotinus, n. s. *Cinerea, capite antico ferrugineo, abdominis lateribus canis, antennis pedibusque nigris, alis subcinereis basi et ad costam subfuscis.*

Body gray: head beset with black hairs and bristles, somewhat ferruginous in front; face white, its sides fringed with bristles; epistoma slightly prominent: eyes red: feelers black, as long as the face; third joint very long, full four times the length of the second, hardly concave above, more convex beneath, obliquely truncated at the tip; bristle stout for about two-thirds of its length, very slender from thence to the tip, its second joint very long, full twice the length of the first: chest clothed with black hairs, beset with long black bristles: abdomen cylindrical, rather narrow, much longer than the chest, beset with black hairs and bristles: wings slightly gray, with a brown tinge at the base and along the fore borders; wing-ribs pitchy: veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border a short distance above

the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; poisers dingy white. Length of the body 5½ lines; of the wings 9 lines.

a. ———? From Mr. Children's collection.

Group VII.

TACHINA potans, *Wied. Auss. Zweif.* ii. 299, 32.
a. China.

TACHINA Melobosis, n. s. *Nigra, facie abdominisque segmentorum marginibus anticis canis, palpis antennis pedibusque nigris, alis cinereis, nervulo transverso nebuloso.*

Body black, clothed with black hairs and bristles: head ferruginous on each side of the epistoma, clothed beneath with hoary hairs; face covered with hoary bloom, its sides completely fringed with bristles; epistoma tawny, not prominent: eyes pitchy, hairy: sucker black, ferruginous and clothed with tawny hairs at the tip; palpi black, slender, beset with black bristles: feelers black, as long as the face; third joint linear, nearly six times the length of the second, almost truncated at the tip; bristle not longer than the third joint, its second joint more than twice the length of the first; third joint rather stout though tapering from the base to the tip: abdomen obconical, shining, a little longer than the chest, adorned with bands of hoary lustre along the fore borders of the segments: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs dark tawny; veins black; little cross-vein clouded with brown; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward along the whole length, joining the border a very little above the tip of the wing and close to the third longitudinal vein; lower cross-vein almost straight, but with an indistinct inward curve; scales dingy white, with yellow borders. Length of the body 2 lines; of the wings 4 lines.

a. Florida. Presented by E. Doubleday, Esq.

TACHINA Admete, n. s. *Nigra, capite abdomineque canis, hujus basi segmentorum marginibus posticis vittaque dorsali nigris, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with white lustre, which in some aspects assumes a tawny hue, clothed behind and beneath with hoary hairs; epistoma slightly prominent; sides of the face completely fringed with black bristles;

a black stripe from the eyelets to the base of the feelers: eyes pitchy, not hairy: sucker black, clothed at the tip with tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, nearly as long as the face; third joint not much longer than the second, flat above: very slightly convex beneath, truncated at the tip; bristle much longer than the third joint, its second joint more than twice the length of the first; third joint rather stout, though tapering for half its length, very slender from thence to the tip: abdomen obconical, rather narrow, very much longer than the chest; third and following segments hoary, with the exception of the hind borders and a stripe on the back: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein which projects some distance beyond it, very slightly curved inward near the base, straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower large and inward, the other outward and more slight; scales dingy white, bordered with yellow. Length of the body 4½ lines; of the wings 9 lines.

a. England.

TACHINA ——— ? Head wanting.
a. England.

TACHINA Pamesos, n. s. *Cinerea, capite albo, abdomine cano micante, segmentorum marginibus posticis vittaque dorsali nigris, palpis fulvis, antennis pedibusque nigris, alis subcinereis ad costam spinosis.*

Body black, covered with black hairs and bristles: head covered with white bloom, excepting a black stripe between the eyelets and the base of the feelers, clothed beneath with hoary hairs; a tawny tinge on the sides of the crown; epistoma yellow, not prominent; sides of the face fringed with bristles for one-fourth of the length from the base: eyes coppery, not hairy: sucker black, clothed at the tip with tawny hairs: palpi tawny, slender, beset with black bristles: feelers black, about three-fourths of the length of the face; third joint a little longer than the second, flat above, convex beneath, very obliquely truncated at the tip; bristle more than twice the length of the third joint, its second joint short, but longer than the first; third joint stout for more than one-third of its length, very slender from thence to its tip; scutcheon armed with some long black spines: abdomen obconical, a little longer than the chest, beset with black spines, adorned with hoary reflections, which are interrupted on the hind borders of the segments and by a stripe on the

back: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings light gray; wing-ribs pitchy; veins black, pitchy at the base; a spine on the fore border of the wing; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, which is unusually distant from the tip of the wing, very slightly curved inward, but here and there waving and in some parts straight, joining the border at some distance above the tip of the wing; lower cross-vein straight, very far from the wing-border; scales white, with yellow borders. Length of the body 3 lines; of the wings 5 lines.

a. England.

Div. C. Microceratæ, *Desv. Essai Myod.* 58.

Group I. Crameria, *Desv. Essai Myod.* 59.

Group II. Ernestia, *Desv. Essai Myod.* 60.

TACHINA Leocrates, n. s. *Cinerea, capite cano, abdomine fulvo vitta dorsali nigra, palpis fulvis, antennis ferrugineis, articulo 3° piceo, pedibus nigris, alis subfuscis.*

Body black, clothed with black hairs and bristles: head partly covered with hoary down; sides of the face fringed with bristles at the base; epistoma prominent: sucker black, clothed at the tip with tawny hairs; palpi tawny: eyes red, hairy: feelers dark ferruginous, much shorter than the face; third joint pitchy, flat above, slightly rounded at the tip, shorter than the second joint: chest and breast gray, thinly beset with black bristles; scutcheon armed with long black spines, tawny on the hind border: abdomen tawny, clothed with black hairs, armed with some black spines, which are mostly towards the tip, adorned with a black stripe on the back: legs black, clothed with black hairs and bristles: wings light brown; wing-ribs and veins tawny: veins pitchy towards the tips; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, which sends forth a stump beyond it, nearly straight, joining the border very near the third longitudinal vein and a little above the tip of the wing; lower cross-vein with two curves, the lower inward, the other outward; scales brown. Length of the body 4 lines; of the wings 7 lines.

a. South Africa. Presented by Dr. A. Smith.

Group III. Brachelia, *Desv. Essai Myod.* 61.

Group IV. Fausta, *Desv. Essai Myod.* 62.

Group V. Mericia, *Desv. Essai Myod.* 64.

Group VI. Erigone, *Desv. Essai Myod.* 65.

Third joint of the feelers nearly linear, very slightly convex above and beneath, almost truncate at the tip, much longer than the second joint, but less than twice its length; bristle naked; first and second joints very short; third joint stout at the base, whence it slightly tapers along half its length, and is then slender.

TACHINA bibens? *Wied. Meig. Dipt.* iv. 310, 123.
a. England.

TACHINA Medoacus, n. s. *Cinerea, capite albo micante, thoracis vittis tribus nigris, antennis pedibusque nigris, palpis fulvis, alis subcinereis.*

Body black, covered with gray bloom, beset with black hairs and bristles: head adorned with white lustre, clothed beneath with hoary hairs, a tawny stripe from the eyelets to the feelers; sides of the face fringed with bristles for one-third of the length from the base; epistoma slightly prominent: eyes dark red, not hairy: sucker black, clothed at the tip with pale tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, a little shorter than the face; third joint much longer than the second, flat above, hardly convex beneath, truncated at the tip; bristle much longer than the third joint; its second joint full twice the length of the first; third stout, though tapering for more than one-third of the length, very slender from thence to the tip: chest adorned with three indistinct black stripes: scutcheon and abdomen armed with black spines: abdomen nearly elliptical, not longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings light gray; wing-ribs tawny; veins pitchy, tawny at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight. Length of the body 3 lines; of the wings 5½ lines.

a. England.

TACHINA Telesthо, n. s. *Cinerea, capite subtus ferruginea, abdominis segmentorum marginibus anticis cano micantibus, marginibus posticis ventreque ferrugineis, palpis fulvis, antennis pedibusque nigris, alis subcinereis basi subfulvis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head slightly covered with gray bloom, ferruginous beneath the eyes and on each side of the epistoma, which is yellow and not prominent, clothed behind and beneath with hoary hairs; face ferruginous, its sides without bristles: eyes dark red, not hairy: sucker black, beset at the tip with pale tawny hairs; palpi pale tawny, beset with black bristles: feelers black, shorter than the face; third joint much longer than the second, flat above, convex beneath, truncated at the tip; bristle less than twice the length of the third joint, its second joint longer than the first; third joint stout for more than one-third of the length, very slender from thence to the tip: scutcheon and abdomen armed with spines: abdomen obconical, a little longer than the chest, adorned with tawny reflections along the fore borders of the segments; hind borders and underside ferruginous: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings light gray, with a tawny tinge at the base; wing-ribs dark tawny; veins black, tawny at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the fore border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the upper outward. Length of the body 6 lines; of the wings 5 lines.

a. England.

TACHINA tibialis, *Fallen, Musc.* 13, 23. *Meig. Dipt.* iv. 278, 67. vii. 191, 47. *Zett. Ins. Lapp.* 637, 14. *Dipt. Scand.* iii. 1057, 51. T. æstiva, *Meig. Dipt.* iv. 278, 68. T. æstivalis, *Macq. Hist. Nat. Dipt.* ii. 145, 24.

a. England.

TACHINA ———?

a. North America. Presented by the Entomological Club

TACHINA Cerceis, n. s. *Cinerea, capite cano micante, thoracis vittis tribus nigris, abdominis fasciis cinereo fulvis, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head covered with hoary lustre, which has a tawny tinge on each side of the crown, whose middle part is occupied by a black

stripe between the eyelets and the feelers; underside clothed with hoary hairs; sides of the face fringed with bristles along one-third of the length from the base; epistoma not prominent: eyes red, not hairy: sucker black, clothed at the tip with pale tawny hairs; palpi tawny, beset with black bristles: feelers black, shorter than the face; second joint gray; third joint much longer than the second, flat above, slightly convex beneath, truncated at the tip; bristle full twice the length of the third joint, its second joint more than twice the length of the first; third joint stout for one-third of the length from the base, very slender from thence to the tip: chest adorned with three indistinct black stripes: scutcheon and abdomen armed with black spines: abdomen obconical, a little longer than the chest; segments grayish tawny for half the length from the base: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings light gray; wing-ribs dark tawny; veins black; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very indistinct curves, the lower inward, the upper outward. Length of the body 2¾ lines; of the wings 5 lines.

a. England.

TACHINA trepida, *Meig. Dipt.* iv. 300, 106. *Zett. Dipt. Scand.* iii. 1025, 14. Plagia trepida, *Meig. Dipt.* vii. 201, 3.
a. England.

TACHINA opaca? *Meig. Dipt.* iv. 313, 128.
a. England.

TACHINA Dydas, n. s. *Nigro-cinerea, capite argenteo, vertice fulvo thorace vittis tribus nigris, abdominis segmentorum marginibus anticis fulvo micantibus, palpis fulvis, antennis pedibusque nigris, alis cinereis.*

Body black, slightly covered with gray bloom, clothed with black hairs and bristles, the latter especially long and stout on the scutcheon and on the abdomen: head thickly clothed behind and beneath with hoary hairs, adorned in front with silvery lustre, tawny on the crown, where there is a pitchy stripe from the eyelets to the feelers; sides of the face fringed with bristles; epistoma slightly prominent: eyes pitchy, not hairy: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, a little shorter than the face: tip of the second joint ferruginous; third joint very much longer than the second, flat above,

rather deep, slightly convex beneath near the tip, which is truncated; bristle rather longer than the feeler; its second joint full twice the length of the first; third joint rather stout for near half its length, very slender from thence to the tip: chest adorned with three black stripes: abdomen adorned with pale tawny reflections on the fore borders of the segments, and especially on each side: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs pitchy; veins black; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the fore border at some distance above the tip of the wing: lower cross-vein indistinctly curved inward; scales light gray, with yellow borders. Length of the body 3½ lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TACHINA ———? Erigone viridulans? *Desv. Essai Myod.* 68, 7.
a. France?

TACHINA radicum, *Meig. Dipt.* iv. 249, 18. *Zett. Ins. Lapp.* 142, 35. *Dipt. Scand.* iii. 1113, 109. Musca radicum, *Fabr. Ent. Syst.* iv. 326, 60. *Syst. Antl.* 300, 82. Tachina lurida, *Fall. Musc.* 26, 54.
a. England.

TACHINA nitida, *Zett. Ins. Lapp.* 646, 52. *Dipt. Scand.* iii. 1180, 183. T. atrata, *Meig. Dipt.* iv. 270, 52.
a. England.

TACHINA Amphiro, n. s. *Nigra, facie fulva vittis duabus piceis, scutello ferrugineo, palpis antennis pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head clothed beneath with pale tawny hairs; epistoma yellow, not prominent: face tawny, with two pitchy stripes corresponding to the feelers, its sides fringed with bristles for one-third of the length from the base: eyes red, hairy: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, as long as the face; third joint nearly linear, rather deep, more than four times the length of the second, slightly concave above, truncated at the tip; bristle longer than the third joint, its second joint longer than the first; third joint tapering, stout for more than half its length: scutcheon dark ferruginous, armed with very long spines: abdomen obconical, not longer than the chest: legs black, clothed with black

hairs and bristles; foot-cushions yellow: wings nearly colourless: wing-ribs dark tawny; veins black, yellow at the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, a little curved inward from the base to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein nearly straight; scales white, with yellow borders. Length of the body 3½ lines; of the wings 6 lines.

a. England.

TACHINA Pagasus, n. s. *Nigro-cinerea, facie fulva, vittis duabus nigris, thorace vittis quatuor fulvis, abdomine flavo-cinereo, micante, basi segmentorum marginibus posticis vittaque dorsali nigris, palpis fulvis, antennis pedibusque nigris illorum articulo 2° tibiisque piceis, alis subcinereis basi subfulvis ad costam spinosis.*

Body grayish black, clothed with black hairs and bristles: head thickly clothed behind and beneath with hoary hairs; face yellow with two black stripes, corresponding to the feelers; a ferruginous stripe along each of its sides, which is fringed with bristles for one-fourth of its length from the base; epistoma yellow, not prominent; a pitchy stripe between the eyelets and the feelers: eyes red, not hairy: sucker black, clothed with tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, a little shorter than the face, slightly covered with hoary bloom; second joint pitchy, ferruginous at the tip; third joint nearly linear, much longer than the second, rounded at the tip; bristle less than twice the length of the third joint, its second joint longer than the first; third joint very stout for full one-third of its length, slender from thence to the tip: chest covered with gray bloom, adorned with four dull tawny stripes: abdomen elliptical; second and following segments covered with yellowish gray lustre, their hind borders black, as is also a stripe on the back: legs black, clothed with black hairs and bristles; shanks pitchy; foot-cushions bright tawny: wings slightly gray, with a tawny tinge at the base; a spine on the fore border of each wing; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein which has a stump beyond it, curved inward near the base, straight from thence to the tip, which joins the border very near the third vein and a long way above the tip of the wing; lower cross-vein straight at both ends, but having a long inward curve in the middle; scales yellow. Length of the body 3½ lines; of the wings 7 lines.

a. ——— ?

TACHINA Philonis, n. s. *Cinerea, capite albo micante, thorace vittis quatuor canis, abdomine cano vario, palpis fulvis, antennis pedibusque nigris, alis subcinereis ad costam spinosis.*

Body dark gray, clothed with black hairs and bristles: head covered with white lustre, thickly clothed behind and beneath with whitish hairs, having a tawny hue on each side of the crown, the middle part being occupied by a black stripe between the eyelets and the feelers; face gray, no bristles along its sides except at the base; epistoma not prominent: eyes red, not hairy: sucker black, pitchy, and clothed with pale tawny hairs towards the tip; palpi tawny, slender, beset with black bristles: feelers black, as long as the face; third joint much longer than the second, very slightly concave above, slightly convex beneath, truncated at the tip; bristle full twice the length of the third joint, its first joint extremely short, second joint moderately long; third joint stout for one-third of the length, slender from thence to the tip: chest adorned with four indistinct hoary stripes; sides and scutcheon hoary: scutcheon and abdomen armed with spines: abdomen black, nearly elliptical, a little longer than the chest; second segment with a large hoary triangular spot on each side; third segment hoary, with the exception of the hind border and of an imperfect stripe in the middle; fourth segment hoary towards the base: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; a bristle on the fore border of each wing; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly and irregularly curved inward from the base to the tip, joining the border at some distance above the tip of the wing; lower cross-vein straight till near the tip, where it is very slightly curved outward; scales white, with yellow borders. Length of the body 4 lines; of the wings 7 lines.

a. England.

TACHINA Nymphidius, n. s. *Cinerea, capite plumbeo pilis albis subtus hirtissimo, thoracis vittis tribus nigris, scutello abdomineque canis, hujus segmentorum marginibus posticis vittaque dorsali nigris, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head adorned with bluish white lustre, thickly clothed behind and beneath with whitish hairs, tawny on each side of the crown, the middle part being occupied by a pitchy stripe between the eyelets and the feelers: sides of the face fringed with bristles; peristoma tawny; epistoma not prominent: eyes red, not hairy: sucker black, pitchy, and clothed with tawny hairs at the tip;

palpi tawny, slender, beset with black bristles: feelers black, nearly as long as the face; tips of the first and second joints ferruginous; third joint very much longer than the second, flat above, convex beneath, slightly rounded at the tip; bristle more than twice the length of the third joint, its first joint very short; second joint rather more than twice the length of the first; third joint stout for one-third of its length, very slender from thence to the tip: chest with three indistinct black stripes: scutcheon and abdomen hoary, armed with long spines: abdomen nearly oval, a little longer than the chest; hind borders of the segments black, as is also a stripe on the back: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, hardly curved inward from the base to the tip, joining the border at some distance above the tip of the wing; lower cross-vein slightly curved inward, except at the base and at the tip, where it is straight; scales white. Length of the body 3½ lines; of the wings 6½ lines.

a. England.

Tachina Orga, n. s., mas. et fem. *Plumbea, capite fulvo, abdomine*, mari. *fulvo* fem. *cinereo, palpis fulvis, antennis luteis, pedibus fulvis, tarsis nigris, alis sublimpidis.*

Body black, beset with black hairs and bristles: head tawny; sides of the face fringed with bristles for half the length from the base; epistoma slightly prominent: eyes red, not hairy: sucker pitchy, tawny and clothed with tawny hairs at the tip; palpi tawny, slender, beset with black bristles: feelers orange-colour, shorter than the face; third joint linear, truncated at the tip, more than twice the length of the second joint; bristle black, much longer than the third joint, its first and second joints short, first joint tawny; second joint a little longer than the first; third joint stout for full half the length, very slender from thence to the tip: chest slate-colour, with three slender black stripes on the fore part: abdomen obconical, a little shorter than the chest, of the male tawny, of the female gray: legs tawny, clothed with black hairs and bristles; shanks darker than the thighs; feet black; foot-cushions pitchy, small: wings nearly colourless; wing-ribs tawny; veins black, pitchy at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved a little inward from the base to the tip, joining the border a little before the tip of the wing; lower cross-vein hardly curved inward, almost straight; scales tawny. Length of the body 3 lines; of the wings 6 lines.

a. Sydney. From Mr. Lambert's collection.

Tachina Olizon, n. s. *Canescens, capite argenteo micante, palpis fulvis, antennis pedibusque nigris, alis limpidis basi fulvis ad costam spinosis.*

Body black, shining, slightly covered with hoary bloom clothed with black hairs and bristles: front of the head adorned with silvery lustre; epistoma rather prominent: sides of the face not fringed with bristles: eyes dark red, somewhat hairy: sucker pitchy, ferruginous, and clothed with pale tawny hairs towards the tip; palpi slender, dark tawny, beset with black bristles: feelers black, shorter than the face; second joint ferruginous at the tip; third joint much longer than the second, slightly convex above and beneath, almost truncated at the tip; bristle about twice the length of the third joint; its first joint obsolete; second joint very short; third joint stout, though tapering for one-fourth of the length, very slender from thence to the tip: abdomen elliptical, a little longer and broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless, tawny at the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming an extremely obtuse angle with the fourth longitudinal vein, quite straight, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; a stout spine on the fore border of each wing; scales white, with yellow borders. Length of the body 3½ lines; of the wings 7 lines.

a. England.

Tachina Masurius, n. s. *Cinerea, capite albo micante, palpis fulvis, antennis ferrugineis articulo 3° nigro, pedibus fulvis, tarsis nigris, alis fuscis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head adorned with white silky lustre; crown black; sides of the face fringed with bristles along half the length from the base; epistoma not prominent: eyes red, not hairy: palpi tawny, beset with black bristles: feelers ferruginous, short, not more than half the length of the face; third joint black, much longer than the second, flat above, convex beneath, truncated and rising at the tip; bristle black, more than twice the length of the third joint, its first joint obsolete; second joint very short; third joint stout for less than one-fourth of the length, slender from thence to the tip: abdomen obconical, a little longer than the chest: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions dark tawny: wings brown; wing-ribs pitchy; veins black; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly

curved along the whole length, joining the border a little above the tip of the wing; lower cross-vein nearly straight, but very slightly waving; scales dingy. Length of the body 2¼ lines; of the wings 4½ lines.

a. North America. Presented by the Entomological Club.

TACHINA Pyste, n. s. *Cinerea, capite albo micante, abdomine cano micante basi segmentorum marginibus posticis vittaque dorsali nigris, palpis antennisque fulvis, horum articulo 3° piceo, pedibus nigris, femoribus piceis, alis subcinereis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head adorned in front with white silky lustre, clothed beneath with hoary hairs; a ferruginous stripe between the eyelets and the feelers; sides of the face without bristles; epistoma not prominent: sucker black, pitchy, and clothed with tawny hairs at the tip; palpi tawny, short, beset with black bristles: eyes brassy, hairy: feelers tawny, as long as the face; third joint pitchy above and at the tip, much longer than the second joint, slightly convex above, flat and downy beneath, somewhat rounded at the tip; bristle black, nearly twice the length of the third joint, its first joint obsolete; second joint very short; third joint rather stout for one-fourth of the length, very slender from thence to the tip: abdomen nearly oval, not longer than the chest; first segment black; second and following segments varied with hoary lustre, which prevails chiefly along the fore borders of the segments, and is interrupted on the hind borders, and by a black stripe on the back, and by a black space round the base of each bristle: legs black, clothed with black hairs and bristles; thighs and foot-cushions pitchy: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly covered along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, longer than the other which is outward; scales white, with pale yellow borders. Length of the body 2 lines; of the wings 4 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Ambivius, n. s. *Nigro-cinerea, capite plumbeo, abdomine fasciis latis subinterruptis canis, palpis antennisque piceis, pedibus nigris, alis sublimpidis.*

Body black, slightly covered with gray bloom, clothed with black hairs and bristles: head covered with bluish gray lustre, having a hoary stripe between the eyelets and the feelers, and a ferru-

ginous band on each side from the eyes to the epistoma, which is yellow and slightly prominent; sides of the face fringed with bristles: eyes red, not hairy: palpi pitchy, beset with black bristles: feelers pitchy, nearly as long as the face; third joint much longer than the second, very slightly convex above and beneath, obliquely truncated at the tip; bristle not much longer than the third joint, its second joint more than twice the length of the first; third joint tapering from the base to the tip: abdomen obconical, a little shorter than the chest, adorned along the fore borders of the segments with broad bands of hoary lustre, which are partly interrupted by a black stripe on the back: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings nearly colourless; wing-ribs *pitchy*; veins black, pitchy at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, nearly straight, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales white, with yellow borders. Length of the body 2½ lines; of the wings 5 lines.

a. England.

TACHINA Titormus, n. s. *Cinerea, abdomine cinereo-fulvo, palpis fulvis, antennis ferrugineis articulo 3° nigro, pedibus fulvis, tarsis nigris, alis subcinereis.*

Body black, covered with gray bloom, clothed with black hairs and bristles; a pitchy stripe between the eyelets and the feelers; sides of the face without bristles, except at the base; epistoma tawny, slightly prominent: eyes dark red, hairy: sucker black, ferruginous, and clothed with pale tawny hairs at the tip; palpi tawny, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint black, ferruginous at the base, a little longer than the second joint, its length hardly twice its breadth, very slightly convex above, beneath, and at the tip; bristle much more than twice the length of the third joint, its second joint long, more than twice the length of the first; third joint stout for about one-fourth of its length, very slender from thence to the tip: abdomen obconical, not longer than the chest, covered with dark grayish tawny bloom, very thinly clothed with hairs and bristles: legs tawny; feet and claws black; foot-cushions tawny: wings light gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, shorter, and more distinct than the

other, which is outward; scales yellowish, with yellow borders. Length of the body 4 lines; of the wings 7 lines.

a. England.

TACHINA ——— ?

Third joint slender, nearly linear, much longer than the second, but not twice its length, flat above, slightly concave beneath, almost truncate at the tip; bristle naked, thick for less than one-third of its length from the base, very slender from thence to the tip; first and second joints very short.

a. England.

Group VII. Panzeria, *Desv. Essai Myod.* 68.

Group VIII. Meriania, *Desv. Essai Myod.* 69.

TACHINA strenua? *Meig. Dipt.* iv. 249, 17. *Zett. Dipt. Scand.* iii. 1101, 98. Nemoræa strenua, *Macq. Hist. Nat. Dipt.* ii. 192, 14. *Meig. Dipt.* vii. 221, 12. Meriania silvatica? *Desv. Essai Myod.* 70, 1.

TACHINA bombylans? Meriania bombylans? *Desv. Essai Myod.* 70.

Third joint nearly linear, almost twice the length of the second joint, very slightly concave above, and equally convex beneath, hardly rounded at the tip; bristle naked, rather thick towards the base; first and second joints very short.

a. England.

Group IX. Nemoræa, *Desv. Essai Myod.* 71.

TACHINA Thyamis, n. s. *Nigra, capite albo, abdominis segmentorum marginibus posticis utrinque ferrugineis, palpis antennis pedibusque nigris, tibiis ferrugineis, alis subcinereis.*

Body black, beset with black hairs and bristles: head covered with white bloom; a pitchy stripe fringed with bristles between the eyelets and the feelers; sides of the face without bristles; epistoma not prominent: eyes pitchy, not hairy: sucker and palpi black: feelers black, almost as long as the face; third joint linear, rounded

at the tip, nearly twice the length of the second; bristle much longer than the third joint, its first joint very short; second joint long, more than twice the length of the first; third joint very stout for full one-third of its length, slender from thence to the tip: abdomen obconical, shining, a little longer than the chest; hind borders of the segments ferruginous on each side: legs black, clothed with black hairs and bristles; shanks ferruginous; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming with the fourth longitudinal vein an obtuse angle, which is near to the border of the wing, very slightly curved inward along its whole length, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales yellowish, with darker borders. Length of the body 3½ lines; of the wings 7 lines.

a. ———? From Mr. Children's collection.

TACHINA Clesides, n. s. *Fusco-cinerea, subænea, palpis antennisque nigris, horum articulo 3° basi ferrugineo, pedibus nigris, alis subcinereis basi subflavis.*

Body black, with a slight brassy tinge, especially on the abdomen, covered with brownish gray down, very thickly beset with long stout black bristles: head dull; sides of the face fringed with bristles; epistoma not prominent: sucker black, clothed towards the tip with short tawny hairs; palpi black: eyes pitchy, not hairy: feelers black, very short, about half the length of the face; third joint ferruginous at the base, nearly linear, flat above, slightly convex beneath, truncated at the tip, about twice the length of the second joint: first and second joints of the bristle very short; third joint rather thick for about one-third of its length, slender from thence to the tip: chest and abdomen slightly shining: abdomen nearly elliptical, much longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings slightly gray, with a yellowish tinge at the base; wing-ribs tawny; veins pitchy; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, united with the third longitudinal vein before the tip of the latter, which joins the wing-border at some distance above its tip; lower cross-vein very slightly waving; scales pale yellow. Length of the body 3 lines; of the wings 5 lines.

a. North America. Presented by the Entomological Club.

TACHINA Enarette, n. s. *Cana, capite antico ferrugineo, scutello abdomineque fulvis, huic vitta nigra, palpis antennisque fulvis, horum articulo 3° picco, pedibus nigris, alis limpidis basi subflavis.*

Head covered with a hoary bloom, black above, tawny in front; a ferruginous stripe on the crown, widening from the eyelets to the base of the feelers; epistoma yellow, very prominent; sides of the face fringed with hairs at the base: sucker pitchy; palpi tawny: eyes red, not hairy; feelers tawny, very short, hardly more than half the length of the face; third joint pitchy, tawny at the base, flat above, convex beneath, truncated at the tip, much longer than the second joint; bristle black, downy, tapering, tawny at the base, about thrice the length of the third feeler-joint; its first and second joints short, of equal length: chest covered with hoary down, thickly beset with black bristles; scutcheon tawny: abdomen not much longer than the chest, tawny, covered with hoary bloom, clothed with black hairs, beset towards the tip with black bristles, adorned with a black stripe along the back: legs black, clothed with black hairs and bristles: wings colourless, with a yellowish tinge towards the base; wing-ribs and veins tawny; tip cross-vein nearly straight, joining the longitudinal vein a little before the tip of the wing; lower cross-vein with two curves, the lower inward, the upper outward; scales white. Length of the body 4 lines; of the wings 8 lines.

a. ——— ? From Mr. Children's collection.

TACHINA Nysas, n. s. *Cinerea, capite scutellique margine postico fulvis, abdomine fulvo vitta dorsali maculisque utrinque nigris, palpis fulvis, antennis ferrugineis, pedibus fulvis, femoribus nigris, alis subfulvis.*

Head tawny, pale yellow in front, beset with a very few black bristles; side clothed with a few white hairs; sides of the face without bristles except at the base; epistoma prominent: sucker black; palpi tawny, long, slender, beset with black bristles: eyes red, not hairy: feelers ferruginous, very short, not so long as the face; third joint a little longer than the second, nearly linear, flat above, slightly convex beneath, obliquely truncated at the tip; bristle black, tapering, slender, thrice the length of the third joint, its first and second joints very short: chest and breast dark gray; chest beset with black hairs and bristles; hind border of the scutcheon tawny; breast partly clothed with tawny hairs: abdomen tawny, clothed with black hairs, beset with a few black bristles on the hind borders of the segments and towards the tip, adorned with a black

stripe on the back, and with a row of black spots on each side: legs tawny, clothed with black hairs and bristles; feet towards the tips and thighs black; foot-cushions tawny: wings with a slight tawny tinge, which disappears on the hind border; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, which sends forth a stump beyond it, nearly straight, joining the border a little above the tip of the wing; lower cross-vein with two curves, the lower slight and inward, the upper larger and outward; scales whitish, tinged and bordered with yellow. Length of the body 4 lines; of the wings 7½ lines.

a. ——— ?

TACHINA Petulus, n. s. *Cana, capite abdomineque fulvis, huic maculis utrinque tribus nigris, thorace purpureo cyaneoque vittato, palpis antennis pedibusque fulvis, alis subfulvis.*

Head tawny, covered with golden down, having a hoary tinge on each side of the crown; face whitish, its sides fringed with bristles towards the base; epistoma prominent; sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with a few black bristles: eyes red, not hairy: feelers tawny, shorter than the face; third joint nearly linear, flat above, slightly convex beneath, obliquely truncated at the tip, about twice the length of the second joint; bristle pitchy, downy, very slender, nearly thrice the length of the third joint, tawny at the base, its first and second joints very short; third joint rather stout near the base, very slender from thence to the tip: chest and breast hoary: chest flat, clothed with black hairs and bristles, adorned with purple and blue reflections, which are arranged in stripes; hind border of the scutcheon tawny: breast adorned with a metallic lustre, partly clothed with tawny hairs: abdomen tawny, shining, beset with black hairs and with a few black bristles, adorned with three black spots on each side: legs tawny, clothed with black hairs and bristles; feet darker towards the tips; tips of the claws black: wings with a slight tawny tinge, which is darkest along the fore border; wing-ribs tawny; veins pitchy; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, nearly straight, joining the border of the wing at a short distance above the tip; lower cross-vein with two curves, the lower largest and inward, the upper outward and more slight. Length of the body 4 lines; of the wings 7 lines.

a. ——— ?

TACHINA trixoides, n. s. *Cinerea, capite ferrugineo, thorace vittis quinque nigris, abdomine nigro-piceo cano micante, antennis rufis, pedibus nigris, alis subcinereis.*

Body black: head pale ferruginous, black above and behind, beset with a few black hairs and bristles, clothed beneath with pale tawny hairs; sides of the face without bristles except at the base; epistoma not prominent: eyes pitchy, not hairy; sucker ferruginous, clothed with short pale tawny hairs: feelers pale red, much shorter than the face; second joint very short; third joint short, but longer than the second, nearly linear, rounded at the tip; bristle black, downy, tapering; first and second joints short: chest gray, clothed with black hairs and bristles, adorned with five indistinct black stripes; scutcheon covered with long black spines: abdomen pitchy-black, with hoary reflections, clothed with black hairs, armed towards the tip with some long black spines: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings light gray; wing-ribs tawny; veins pitchy, pale towards the base; tip cross-vein forming a right angle with the fourth longitudinal vein, which sends forth a stump beyond it, much curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein curved inward near the base, almost straight from thence to the tip; scales white, with pale yellow borders. Length of the body 6 lines; of the wings 11 lines.

a. Georgia.

TACHINA Bura, n. s. *Fulva, thoracis disco abdomineque nigris, hoc maculis fasciisque albis ornato illo antice albo vittato, palpis antennis pedibusque fulvis, alis fusco-cinereis basi fulvis.*

Head bright tawny, rather darker on the crown, clothed beneath with tawny hairs, and above with some black hairs, beset on each side of the mouth with a few black bristles; sides of the face without bristles except at the base; epistoma prominent; eyes pitchy, not hairy; palpi tawny, slender, clothed with tawny hairs: feelers bright reddish tawny, much shorter than the face; second joint linear, slender, almost truncated at the tip, longer than the second joint; bristle black, tapering, nearly twice the length of the third joint, its second joint short, but longer than the first: chest and breast tawny, clothed with tawny hairs; disk of the chest black, clothed with short black hairs, adorned with white reflections which form four short stripes on the fore part: abdomen deep black, clothed with black hairs, its back adorned near the base with two white spots, and from the middle to the tip with short connected

white bands; its underside adorned on each side with a broad irregular white stripe; these two stripes send forth short bands, which appear as spots on the sides of the back; legs tawny, clothed with black hairs and bristles; feet black towards the tips; claws tawny, with black tips; foot-cushions yellow: wings brownish gray, bright tawny at the base: there is a white interval between the above colours and for half the length of the wing along the fore border; wing-ribs and veins bright tawny, the latter pitchy in the gray part of the wing; tip cross-vein forming a hardly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border considerably above the tip of the wing; lower cross-vein with two irregular and very slight curves, the lower inward, the other outward and indistinct; scales tawny. Length of the body 6 lines; of the wings 14 lines.

a. Van Dieman's Land. Presented by the Rev. T. Ewing.
b. New Holland. From the Rev. J. Wenham's collection.

TACHINA Cassotis, n. s. *Fulva, capite flavo, abdomine ferrugineo macula fasciaque nigris, palpis fulvis, antennis luteis, pedibus fulvis, tarsis nigris, alis limpidis.*

Body clothed with black hairs and bristles: head yellow, beset with a very few bristles, clothed beneath with a few pale yellow hairs; a single bristle on each side of the face; epistoma prominent; eyes pitchy, not hairy: sucker black; palpi tawny, beset with black bristles: feelers pale orange, shorter than the face; third joint full thrice the length of the second; rather slender, flat above, slightly convex beneath, rounded at the tip; bristle pitchy, tawny at the base; first and second joints very short; third joint stout at the base, slender from thence to the tip, more than twice the length of the third feeler-joint: chest tawny, dull; breast paler: abdomen ferruginous, a little longer than the chest; a black stripe on the back, disappearing at the base; hind border of the third segment black: legs tawny, clothed with black hairs and bristles; feet black, tawny at the base; foot-cushions tawny: wings colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, nearly straight, joining the border a little above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the other longer and outward; scales pale yellow. Length of the body 2½ lines; of the wings 5 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

TACHINA Segonax, n. s. *Nigra, fulvo tecta, capite aureo, abdominis lateribus fulvis, palpis fulvis, antennis pedibusque nigris, alis cinereis basi et ad costam flavis.*

Body black, clothed with black hairs and bristles: head golden, paler on the face and beneath; epistoma slightly prominent; sides of the face without bristles except at the base: eyes dark red, not hairy: palpi tawny: feelers black, much shorter than the face; third joint about thrice the length of the second, rather deep, flat above, slightly convex beneath, truncated at the tip; bristle near twice the length of the third joint; first joint very short; second joint long; third joint rather stout though tapering from the base to the tip: chest covered with tawny bloom: abdomen elliptical, tawny, not longer than the chest; base, tip, and a middle stripe black, covered with tawny bloom: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray, yellowish at the base and along half the length of the fore border; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border very near the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the other outward. Length of the body 2½ lines; of the wings 5 lines.

a. ———? From Mr. Children's collection.

Div. D. Thryptoceratæ, *Desv. Essai Myod.* 82.

Group I. Germaria, *Desv. Essai Myod.* 83.

Group II. Osmæa, *Desv. Essai Myod.* 84.

Group III. Neæra, *Desv. Essai Myod.* 84.

TACHINA laticornis? *Meig. Dipt.* iv. 351, 194. Thryptocera laticornis? *Macq. Hist. Nat. Dipt.* ii. 89, 4. *Ann. Soc. Ent. France, 2me série*, iii. 286, 2, *pl.* 6, *f.* 5.

a. England. Presented by F. Walker, Esq.

Group IV. Actia, *Desv. Essai Myod.* 85.

Group V. Ceromya, *Desv. Essai Myod.* 86.

Group VI. Ceranthia, *Desv. Essai Myod.* 88.

Group VII. Aphria, *Desv. Essai Myod.* 89.

TACHINA Broteas, n. s.

Allied to the *Macromydæ*. Body black, clothed with black hairs and bristles: head pitchy on the crown; sides of the face yellow, without bristles; epistoma not prominent: eyes pitchy, not hairy: sucker pitchy; palpi tawny: feelers black, as long as the face; third joint deep, slightly convex above, somewhat rounded at the tip, more than four times the length of the second; bristle hardly longer than the third joint, its first joint very short, second joint very long, more than twice the length of the first, forming a very slight angle with the third, which is stout, and tapers from the base to the tip: chest dull: abdomen oval, shining, a little longer than the chest, adorned on the fore borders of the segments with almost interrupted white bands: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a very obtuse angle or rather curve with the fourth longitudinal vein, almost straight, joining the border at the tip of the wing and very near the third longitudinal vein; lower cross-vein with a very indistinct inward curve near the base, almost straight from thence to the tip; scales yellowish, with darker borders. Length of the body 2 lines; of the wings 4 lines.

a. England.

Div. E. Erythroceratæ, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 429.

Group I. Phryno, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 432.

Group II. Eurigaster, *Macq. Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 434.

Group III. Erythrocera, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 436.

Group IV. Curtisia, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 440.

Group V. Hebia, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 441.

Group VI. Roeselia, *Desv. Ann. Soc. Ent. France*, 2*me série*, vi. 443.

Div. F. Graosomæ, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 448.

Group I. Myobia. *Desv. Ann. Soc. Ent. France, 2me série*, vi. 454.

TACHINA longipes? *Meig. Dipt.* iv. 341, 176.
a. ———?

Group II. Leskia, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 460.

Group III. Solieria, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 461.

Group IV. Orillia, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 474.

Group V. Fischeria, *Desv. Ann. Soc. Ent. France, 2me série*, vi. 477.

TACHINA pacifica? *Meig. Dipt.* iv. 342, 178.
a. England. Presented by F. Walker, Esq.

TACHINA spreta, *Meig. Dipt.* iv. 343, 179.
a. England.

TACHINA plebeia? *Fall. Musc.* 13, 22. *Meig. Dipt.* iv. 343, 180.
a. England. Presented by F. Walker, Esq.

TACHINA vetusta? *Meig. Dipt.* iv. 347, 187.
a. England. Presented by F. Walker, Esq.

Group VI. Melia, *Desv. Ann. Soc. Ent. France, 2me série*, vi.

Div. G. Faunidæ, *Desv. Essai Myod.* 102.

Group I. Latreillia, *Desv. Essai Myod.* 104.

TACHINA bifasciata, *Wied. Auss. Zweif.* ii. 305, 44. Musca bifasciata, *Fabr. Syst. Ent.* 777, 19. *Ent. Syst.* iv. 325, 53. *Syst. Antl.* 299, 78. Ocyptera bifasciata, *Latr. Dict. d'Hist. Nat.* xxiv. 195, 373. Latreillia bifasciata, *Desv. Essai Myod.* 104, 1. Nemoræa bifasciata, *Macq. Hist. Nat. Dipt.* ii. 104, 19. Belvosia bicincta, *Desv. Essai Myod.* 103, 1. B. bifasciata, *Macq. Dipt. Exot.* ii. 3, 57, 1, *pl.* 6, *f.* 2.
a. Brazil. From Mrs. Noel's collection.
b. Jamaica. From Mr. Gosse's collection.
c. ———?

TACHINA Dorycus, n. s. *Fulva, capite aureo, pectore cano, abdomine nigro vittato, palpis antennisque fulvis, horum articulo 3° piceo, pedibus nigris, tibiis fulvis, alis subcinereis basi fulvis.*

Head gold-colour and beset with some black bristles above, whitish and clothed with white hairs beneath; epistoma not prominent; sides of the face completely fringed with hairs: eyes pitchy, not hairy: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi tawny, long, slender, beset with short black bristles: feelers dark tawny, as long as the face; third joint linear, slender, very long, pitchy, tawny at the base, full six times the length of the second joint; bristle black, stout, tapering, hardly longer than the third feeler-joint, its first and second joints short, of equal length: chest thickly covered with pale tawny bloom, clothed with tawny hairs, beset with black bristles; breast hoary, partly clothed with hoary hairs: abdomen conical, a little longer than the abdomen, tawny, with paler reflections towards the tip, clothed with black hairs and bristles, adorned with a black stripe, which widens across the whole breadth before the tip: legs black, clothed with black hairs and bristles; thighs covered beneath with hoary bloom; shanks dark tawny; foot-cushions tawny: wings slightly gray, tawny at the base, and with a tawny tinge along half the length of the fore border; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very slightly curve inward, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower short and inward, the upper outward and longer; scales yellowish white. Length of the body 5½ lines; of the wings 9 lines.

a. Ukraine. Presented by Dr. Dowler.

TACHINA Psamathe, n. s. *Nigra, capite fulvo, thorace cano quadrivittato, abdomine maculis lateralibus trigonis ornato, palpis fulvis antennis pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head with a pale tawny silk-like covering, hoary and thickly clothed with hoary hairs behind and beneath; a black stripe passes from the eyelets to the feelers, and is fringed with black spines, which extend beyond it in a line parallel to the face as far as one-half of the length of the latter; sides of the face fringed with bristles at the base; epistoma slightly prominent: eyes red, hairy: sucker black, clothed with black hairs, and at the tip with tawny hairs; palpi long, slender, tawny, beset with black bristles: feelers black, as long as the face; second joint ferruginous at the tip; third joint nearly four times the length of the second, slender, linear, very slightly concave above,

and equally convex beneath, obliquely truncated at the tip; bristle less than twice the length of the third joint, its first joint extremely short; second joint moderately long; third joint stout for less than half the length, slender from thence to the tip: chest adorned with four hoary stripes; breast hoary; scutcheon ferruginous, armed at the tip with some long black spines: abdomen pitchy-black, obconical, longer than the chest; a large triangular hoary spot on each side of the fore border of every segment: legs black, tinged with gray, clothed with black hairs and bristles; foot-cushions tawny: wings nearly colourless; wing-ribs tawny; veins pitchy, tawny towards the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, stout at the base, then curved inward for a short space, and thence straight to the tip, joining the fore border at a long distance from the tip of the wing; lower cross-vein with two curves, the lower inward, longer than the other which is outward; scales white, with pale yellow borders. Length of the body 6 lines; of the wings 10 lines.

a. Madras. Presented by Walter Elliot, Esq.

Group III. Salia, *Desv. Essai Myod.* 108.

Group IV. Athrycia, *Desv. Essai Myod.* 111.

Group V. Lydella, *Desv. Essai Myod.* 112.

Tachina funesta? *Meig. Dipt.* iv. 346, 185. *Zett. Dipt. Scand.* iii. 1175, 178. Medoria funesta, *Meig. Dipt.* vii. 203, 1.

a. ——— ?

Tachina Areos, n. s. *Nigro-ænea, nitens, capite nigro, palpis antennis pedibusque nigris, alis limpidis basi fulvis.*

Body brassy black, shining, clothed with black hairs and bristles: head black, dull; epistoma not prominent; sides of the face without bristles: eyes bright red, hairy: sucker and palpi black: feelers black, as long as the face; tip of the second joint ferruginous; third joint long, slender, linear, about four times the length of the second; bristle stout, tapering, not much longer than the third joint: abdomen nearly elliptical, a little longer than the chest: legs black, clothed with black hairs and bristles: wings colourless, tawny at the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very obtuse angle or rather curve with the fourth longitudinal vein, slightly curved inward, joining the border a very little above the tip of the wing; lower cross-vein very slightly curved inward near the base, almost straight from thence to

the tip; scales white, with yellow borders. Length of the body 3 lines; of the wings 5½ lines.

a. North America. Presented by the Entomological Club.

TACHINA Panætius, n. s. *Cinereo-fulva, capite pallido, thorace nigro quadrivittato, scutello abdomineque piceis hoc cano micante, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body beset with black hairs and bristles: head pale tawny, silky, yellowish white in front, thickly clothed behind and beneath with pale dull yellow hairs; sides of the face fringed with bristles along half the length from the base; epistoma rather prominent: eyes red, not hairy: sucker black, clothed at the tip with tawny hairs; palpi tawny, long, slender, beset with black bristles: feelers black, as long as the face; tips of the first and second joints ferruginous; third joint nearly linear, more than twice the length of the second joint, flat above, very slightly concave beneath, almost truncated at the tip; bristle black, nearly twice the length of the second joint; its first joint obsolete; second joint very short; third joint stout for about one-third of the length, very slender from thence to the tip: chest covered with grayish tawny bloom, which is interrupted by four slender black stripes; scutcheon pitchy, armed with long black spines: abdomen pitchy, nearly oval, not longer than the chest; fore borders of the segments especially on each side and nearly the whole of the last segment adorned with hoary lustre which has a slight yellowish tinge: legs black, clothed with black hairs and bristles; claws towards the base and foot-cushions tawny: wings slightly gray; wing-ribs dark tawny; veins black, tawny towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, which projects a little beyond it, very slightly curved inward, joining the border at some distance above the tip of the wing; lower cross-vein very slightly curved inward; scales yellowish white. Length of the body 5 lines; of the wings 10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Mella, n. s. *Cana, capite aureo, thorace vittis quatuor nigris, abdominis segmento 2° maculis duabus ferrugineis, palpis fulvis, antennis pedibusque nigris, alis subcinereis basi albidis.*

Body black, clothed with black hairs and bristles: head covered with golden bloom, pitchy about the eyelets, and having a velvet-like black stripe from thence to the feelers, thickly clothed beneath with hoary hairs, adorned in front with silky-white lustre; a ferruginous band on each side between the eyes and the epistoma, which

is yellow and hardly prominent; sides of the face fringed with bristles on half the length from the base: eyes red, not hairy: sucker black, pitchy, and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers black, as long as the face; tip of the second joint ferruginous; third joint long, linear, truncated at the tip, about thrice the length of the second joint; bristle much longer than the third joint, its first joint very short, second joint moderately long, third joint stout for more than one-third of the length, very slender from thence to the tip: chest adorned with four slender black stripes; scutcheon tawny: abdomen obconical, a little longer than the chest, adorned with hoary lustre, which has a yellowish tinge; this lustre disappears on the hind borders of the segments, which are armed with long black spines; a large ferruginous spot on each side of the second segment: legs black, clothed with black hairs and bristles; claws pitchy, with black tips; foot-cushions tawny: wings slightly gray, whitish at the base; wing-ribs tawny; veins black, tawny towards the base; four spines on the third longitudinal vein; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein which projects far beyond it, very slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein very slightly curved inward; scales white, with yellow borders. Length of the body 5 lines; of the wings 10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Lucagus, n. s. *Cinerea, capite argenteo, thorace nigro quadrivittato, abdomine fasciis interruptis canis, palpis fulvis, antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head adorned in front with silvery lustre, clothed beneath with a few hoary hairs; crown tawny about the eyelets and on each side, the middle part being occupied by a black stripe between the eyelets and the feelers; no bristles on the sides of the face; epistoma hardly prominent: eyes red, not hairy: sucker black, clothed at the tip with pale tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, as long as the face; tips of the first and of the second joints ferruginous; third joint linear, slender, more than twice the length of the second, nearly truncated at the tip; bristle much longer than the third joint, its first joint obsolete; second joint short; third joint rather stout though tapering for nearly half its length, very slender from thence to the tip: chest covered with gray bloom, which is interrupted by four slender black stripes: abdomen obconical, not longer than the chest, adorned on the fore borders of the segments

with broad irregular bands of hoary lustre, which has a yellowish tinge, is chiefly prevalent on each side, and is interrupted on the back by a slender black stripe: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower slight and inward, the upper outward and almost imperceptible; scales dingy white. Length of the body 3 lines; of the wings 5½ lines.

a. China. Presented by G. T. Lay, Esq.

TACHINA Menapis, n. s. *Cano-fulva, gracilis, capite antice albido, thorace subvittato, palpis fulvis, antennis rufis, articulo 3° ferrugineo, pedibus fulvis, tarsis nigris, alis cinereis angustis basi subfulvis.*

Body slender, pale tawny, with a hoary tinge, not shining, thinly clothed with black hairs and bristles: head whitish in front; no bristles on the tawny sides of the face; epistoma not prominent: eyes bright red, not hairy: sucker black, clothed at the tip with pale hairs; palpi tawny, long, slender, beset with black bristles: feelers pale red, nearly as long as the face; third joint ferruginous, linear, red at the base, rounded at the tip, about four times the length of the second joint; bristle more than twice the length of the third joint, its first and second joints very short, third joint tapering from the base to the tip: chest indistinctly striped with darker colour: abdomen elliptical, a little longer than the chest: legs tawny, rather long and slender, clothed with black hairs and bristles; shanks darker than the thighs; feet black: wings gray, rather long and narrow, with a tawny tinge at the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming an extremely obtuse angle with the fourth longitudinal vein, hardly curved inward, nearly straight, joining the border a very little above the tip of the wing; lower cross-vein nearly straight; scales white, with yellow borders. Length of the body 3 lines; of the wings 6½ lines.

a. Upsal, Sweden. Presented by the Entomological Club.

Group VI. Olinda, *Desv. Essai Myod.* 116.

Group VII. Platymya, *Desv. Essai Myod.* 116.

Group VIII. Phorinia, *Desv. Essai Myod.* 118.

Group IX. Ophelia, *Desv. Essai Myod.* 120.

TACHINA Xychus, n. s. *Cinerea, capite argenteo, thorace vittis quatuor nigris, abdominis lateribus cano micantibus, palpis fulvis, antennis pedibusque nigris, alis sublimpidis.*

Body black, covered with gray bloom, clothed with black hairs and bristles: head adorned with silvery lustre in front, clothed beneath with some hoary hairs, tawny about the eyelets, and with a pitchy stripe from thence to the feelers; epistoma not prominent; sides of the face completely fringed with bristles: eyes red, not hairy: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, as long as the face; third joint linear, very long, full six times the length of the second, truncated at the tip; bristle not longer than the third joint, its first joint obsolete; second joint very short; third joint stout for nearly half the length, very slender from thence to the tip: chest adorned with four black stripes: abdomen obconical, a little shorter than the chest; fore borders of the segments adorned on each side with patches of hoary lustre: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings nearly colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, slightly curved inward, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight; scales white. Length of the body 2½ lines; of the wings 5 lines.

a. Jamaica. From Mr. Gosse's collection.

Group X. Blondelia, *Desv. Essai Myod.* 122.

Group XI. Rhinomya, *Desv. Essai Myod.* 123.

Group XII. Lydina, *Desv. Essai Myod.* 124.

TACHINA nitida? Lydina nitida? *Desv. Essai Myod.* 124, 1.
a. Upsal, Sweden. Presented by the Entomological Club.

Group XIII. Erynnia, *Desv. Essai Myod.* 125.

Group XIV. Wayneria, *Desv. Essai Myod.* 126.

Group XV. Araba, *Desv. Essai Myod.* 127.

Group XVI. Phorocera, *Desv. Essai Myod.* 131.

TACHINA Diniele, n. s. *Nigra, scutelli apice ferrugineo, palpis antennis pedibusque nigris, alis subcinereis basi subfuscis.*

Body black, clothed with black hairs and bristles: head clothed beneath with hoary hairs: sides of the face ferruginous, fringed with bristles; epistoma yellow, hardly prominent; palpi black: feelers black, as long as the face; third joint linear, narrow, almost truncated at the tip, nearly four times the length of the second; bristle longer than the third joint, its first joint obsolete; second short, stout for full one-third of the length, slender from thence to the tip: eyes dark red, hairy: tip of the scutcheon dark ferruginous; abdomen obconical, not longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions pale yellow: wings slightly gray, pale brown at the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein straight, with the exception of a very slight inward curve near the base, and an almost imperceptible outward curve near the tip; scales white, with pale tawny borders. Length of the body 3½ lines; of the wings 6 lines.

a. England.

TACHINA Thyamis, n. s. *Nigro-cinerea capite argenteo micante, thorace trivittato, abdomine basi nigro segmenti 2^o^ lateribus fulvo maculatis, antennis pedibusque nigris, alis fulvis apicibus marginibusque posticis subcineries.*

Body black, covered with hoary bloom, clothed with black hairs and bristles: front of the head adorned with silvery lustre; epistoma not prominent; sides of the face without bristles; mouth and palpi black: eyes dark red, not hairy: feelers black, nearly as long as the face; third joint rather stout, linear, rounded at the tip, less than twice the length of the second; bristle about twice the length of the third joint; first and second joints of moderate length; third stout and spindle-shaped for more than one-third of the length from the base, very slender from thence to the tip: chest with three indistinct broad black stripes: abdomen elliptical, a little longer than the chest, black towards the base; a large dull tawny spot on each side of the second segment: legs black, clothed with black hairs and bristles; shanks dark tawny: wings slightly gray, tawny at the base on the fore border, and along the sides of the veins; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly curved inward, joining the border a little above the tip of

the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales yellowish with darker borders. Length of the body 3½ lines; of the wings 7 lines.

a. ——— ? From Mr. Children's collection.

TACHINA ——— ?

a. New Holland. Presented by the Entomological Club.

TACHINA Sosicles, n. s. *Nigra, abdomine flavo-cano, segmentorum marginibus posticis vitta dorsali palpis antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles; sides of the face without bristles; epistoma not prominent: mouth, palpi, and feelers black; feelers as long as the face; third joint nearly linear, full twice the length of the second, flat above, slightly convex beneath, obliquely truncated at the tip; bristle a little longer than the third joint, its first joint obsolete; second short; third stout for full one-third of the length, slender from thence to the tip; abdomen obconical, not longer than the chest, adorned with yellowish hoary reflections, which are interrupted on the hind borders of the segments, and by a middle stripe: legs black, clothed with black hairs and bristles: wings gray; wing-ribs and veins black; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein straight; scales dingy, with whitish tawny borders. Length of the body 2 lines; of the wings 3½ lines.

a ——— ?

TACHINA luctuosa, *Meig. Dipt.* iv. 347, 185. Medina luctuosa, *Desv. Essai Myod.* 140, 6.

a. England.

TACHINA Zebina, n. s. *Nigro-cinerea, capite aureo, thorace vittis quatuor nigris, scutello ferrugineo, abdomine fasciis canis ornato, palpis ferrugineis, antennis pedibusque nigris, alis cinereis, basi fuscis.*

Body broad, black, slightly curved with gray bloom, clothed with black hairs and bristles: head golden, velvet-like, thickly clothed behind and beneath with pale yellow hairs, tawny and partly covered with a hoary bloom beneath, having a tawny hue on the sides of the crown, the middle part being occupied by a black stripe, which extends from the eyelets to the feelers; face whitish, its sides

without bristles; epistoma yellow, slightly prominent; eyes red, not hairy; sucker ferruginous, and clothed with tawny hairs towards the tip; palpi ferruginous, beset with black bristles: feelers black, a little shorter than the face; tips of the first and second joints ferruginous; third linear, more than twice the length of the second, truncated at the tip; bristle more than twice the length of the third joint, its first joint very short, second short, third gradually tapering from the base to the tip, where it becomes extremely slender: chest adorned with four slender black stripes; scutcheon ferruginous: abdomen elliptical, not longer than the chest, adorned with broad hoary bands along the fore borders of the segments: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray, brown at the base: wing-ribs and veins pitchy; tip cross-vein forming an almost right angle with the fourth longitudinal vein, very slightly curved inward, joining the border above the tip of the wing; lower cross-vein slightly curved inward near the base, almost straight from thence to the tip; scales gray. Length of the body 7 lines; of the wings 14 lines.

a. North Bengal. From Miss Campbell's collection.

TACHINA nigricornis, *Wied. Auss. Zweif.* ii. 322, 76. Musca nigricornis, *Fabr. Ent. Syst.* iv. 331, 81. *Syst. Antl.* 305, 104.
a. East Indies. From Archdeacon Clerk's collection.

TACHINA Onchestus, n. s. *Cana, capite subtus pilis albis dense vestito, thorace vittis quatuor cinereis, scutello ferrugineo, abdomine albo vitta dorsali fasciisque nigris, palpis fulvis, antennis nigris, alis sublimpidis.*

Body black, clothed with black hairs, and with a few black bristles: head covered with white bloom, thickly clothed behind and beneath with white hairs; a pitchy stripe between the eyelets and the feelers; sides of the face without bristles; epistoma yellow, slightly prominent: eyes pitchy, hairy: sucker black; palpi tawny, slender, beset with black bristles: feelers black, as long as the face; tips of the first and second joints ferruginous; third very long, nearly linear, but slightly increasing in breadth from the base to the tip, which is truncated above, and rounded beneath, about four times the length of the second joint: chest covered with hoary bloom, which is interrupted by four gray stripes; scutcheon ferruginous: abdomen white, obconical, shorter than the chest; hind borders of the segments black; an imperfect stripe along the back: wings nearly colourless, whitish at the base; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming with the fourth longitudinal vein a slightly obtuse angle, very remote from the border,

slightly curved inward near the base, straight from thence to the tip; lower cross-vein with two curves, the lower slight and inward, the other outward and more slight; scales white, very large. Length of the body 5 lines; of the wings 10 lines.

a. ———? From Mr. Children's collection.

TACHINA Verritus, n. s. *Nigra, capite flavo, thorace fulvescente, pectore cano, abdomine fasciis fulvis micante, palpis antennis pedibusque fulvis, alis cinereis, basi et ad costam fuscis.*

Body black, clothed with black hairs and bristles: head yellow, velvet-like, clothed beneath with pale yellow hairs; a black stripe between the eyelets and the feelers; face whitish, its sides fringed with bristles along three-fourths of the length from the base; epistoma yellow, slightly prominent: eyes red, hairy: sucker pitchy, beset with tawny hairs towards the tips; palpi black, beset with black bristles: feelers black, as long as the face; third joint six times the length of the second, linear, or very slightly increasing in depth from the base to the tip, which is slightly rounded; bristle more than twice the length of the third joint, its first joint obsolete, second very short; third rather stout for about one-third of its length, very slender from thence to the tip: chest covered with tawny bloom; breast more hoary: abdomen obconical, a little longer than the chest, adorned with broad bands of tawny lustre along the fore borders of the segments; first segment quite black: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray, brownish at the base and along the fore borders; wing-ribs pitchy; veins black, tawny at the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales white with yellow borders. Length of the body 4½ lines; of the wings 7 lines.

a. South Africa. Presented by Dr. A. Smith.

TACHINA Nepia, n. s. *Cana, thorace vittis tribus nigris, scutello fulvo, abdomine nigro fasciis canis ornato, palpis fulvis, antennis pedibusque nigris, alis cinereis.*

Body black, covered with hoary bloom, clothed with black hairs and bristles: head covered with white lustre, thickly clothed beneath with pale tawny hairs, adorned with a broad pitchy stripe between the eyelets and the feelers; a ferruginous band on each side between the eyes and the mouth; sides of the face fringed with bristles along

nearly the whole length from the base: epistoma not prominent: eyes red, not hairy; sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles; feelers black, as long as the face; third joint linear, very long, obliquely truncated at the tip, about six times the length of the second joint; bristle a little longer than the third joint, its first and second joints very short; third stout, tapering along the whole length: chest adorned with three black stripes; scutcheon tawny, armed with long black spines; abdomen obconical, not longer than the chest, thickly armed with long black spines; hind borders of the segments irregularly hoary, with tawny tinge towards the tip: legs black, clothed with black hairs and bristles; foot-cushions tawny; wings gray; wing-ribs pitchy; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight, joining the third longitudinal vein far above the tip of the wing; lower cross-vein with three slight curves, the lowest short and outward, the second short and inward, the third long and outward; scales white. Length of the body 5½ lines; of the wings 11 lines.

a. ——— ?

TACHINA evolans, *Wied. Auss. Zweif.* ii. 321, 73.
a. Sierra Leone. Presented by the Rev. D. F. Morgan.

TACHINA ——— ?
a. South Africa. Presented by Dr. A. Smith.

TACHINA Olmus, n. s. *Aurea, thorace nigro quadrivittato, abdomine nigro fasciato, palpis fulvis, antennis pedibusque nigris, alis limpidis ad costam fuscis.*

Body black, clothed with black hairs and bristles: head golden, paler along the outer borders of the eyes; a black stripe from the eyelets to the feelers: epistoma not prominent; sides of the face without bristles, except at the base: eyes red: sucker pitchy; palpi tawny, clothed with black hairs: feelers black, as long as the face; third joint about four times the length of the second, linear, narrow, truncated at the tip; bristle nearly twice the length of the third joint, its first joint obsolete; second extremely short; third stout for less than one-third of the length, slender from thence to the tip: chest and breast covered with golden bloom: chest adorned with four interrupted black stripes: abdomen nearly elliptical, not longer than the chest; fore borders of the segments golden: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless, brown along the fore borders till near the tips; wing-ribs and veins pitchy; veins black towards the tips; tip cross-vein forming a

slightly obtuse angle with the fourth longitudinal vein, having a hardly perceptible curve from the base to the tip, joining the border a little before the tip of the wing; lower cross-vein much curved inward near the base, slightly curved outward towards the tip; scales tinged with yellow, their borders darker. Length of the body 3 lines; of the wings 5½ lines.

a. New Holland. Presented by the Entomological Club.

TACHINA Ipsea, n. s. *Nigra, capite albo micante, thorace fulvo-cano vittis quatuor angustis nigris, abdominis segmentorum marginibus anticis canis, palpis fulvis, antennis ferrugineis, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head covered with pale tawny lustre, white beneath; a pale ferruginous stripe between the eyelets and the feelers; sides of the face fringed with bristles; epistoma not prominent: eyes red: mouth black; palpi tawny: feelers ferruginous, as long as the face; third joint linear, slender, pitchy towards the tip, which is obliquely truncated, full thrice the length of the second joint; bristle black, hardly so long as the third joint, its first joint obsolete; second very short; third stout for more than half the length, slender from thence to the tip: chest and breast covered with hoary bloom; that on the former has a tawny tinge, and is interrupted by four slender black bands: abdomen elliptical, not longer than the chest; a broad hoary band on the fore border of each segment; legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs tawny; veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, a little curved inward near the base, almost straight from thence to the tip, joining the border considerably above the tip of the wing; the angle which it forms is very remote from the border, and sends forth a long stump; lower cross-vein with two slight curves; the upper outward, longer and more distinct than the other which is inward; scales white. Length of the body 2½ lines; of the wings 4 lines

a. ———? From Mr. Children's collection.

TACHINA Opiter, n. s. *Nigro-cinerea, capite scutelloque fulvis abdomine aureo subtus cano, palpis fulvis, antennis nigris, pedibus piceis tarsis nigris, alis limpidis basi subflavis.*

Body black, very broad, covered with dark gray bloom, clothed with black hairs and bristles: head tawny, covered in front with white lustre, clothed beneath with hoary hairs; epistoma rather prominent; sides of the face without bristles: eyes red, hairy: sucker

pitchy, clothed towards the tip with pale tawny hairs; palpi tawny, beset with a few short, black bristles: feelers black, as long as the face; third joint nearly thrice the length of the second, almost linear, but very slightly increasing in depth from the base to the tip, which is slightly truncated: bristle more than twice the length of the second joint, its first joint obsolete, second very short; third slender, tapering from the base to the tip: scutcheon and adjoining parts of the chest tawny: abdomen obconical, a little shorter than the chest, pale gold colour with a silky lustre, hoary beneath where the segments have tawny borders: legs pitchy, clothed with black hairs and bristles; shanks dark tawny; feet black; foot-cushions tawny: wings colourless, tinged with yellow at the base; wing-ribs tawny; veins pitchy, pale tawny at the base; tip cross-vein very near the wing border, forming an obtuse angle with the fourth longitudinal vein, nearly straight, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward and short, the other long, outward and hardly perceptible; scales yellowish white. Length of the body 4 lines; of the wings 8 lines.

a. France.

TACHINA Calliphon. *Nigro-cinerea, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body grayish black, clothed with black hairs and bristles: head very hairy, ferruginous by the base of the face, whose sides are without bristles; epistoma not prominent: eyes pitchy, hairy: sucker and palpi tawny: feelers black, very nearly as long as the face; third joint about thrice the length of the second, convex at half its length above, flat beneath, truncated at the tip; bristle more than twice the length of the third joint, its first joint obsolete, second very short; third stout for near one-fourth of its length, very slender from thence to the tip: abdomen nearly elliptical, not longer than the chest: legs black, clothed black hairs and bristles; foot-cushions tawny; wings slightly gray; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming near the border of the wing a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward, joining the border very near the tip of the wing; lower cross-vein almost straight, but with a very slight indication of the usual curves; scales white with pale tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. ——— ?

TACHINA Rhœo, n. s. *Cana, capite argenteo micante, thorace vittis quatuor nigris, scutello fulvo, abdomine cano-fulvescente vittis tribus fasciisque nigris, palpis fulvis, antennis pedibusque nigris, alis limpidis.*

Body black, covered with hoary bloom, clothed with black hairs and bristles: head adorned in front with silvery lustre, clothed behind and beneath with hoary hairs; a tawny tinge on the crown; sides of the face without bristles, except at the base; epistoma not prominent; sucker pitchy, clothed with pale tawny hairs; palpi tawny, beset with black bristles: eyes red, not hairy: feelers black, a little shorter than the face; third joint linear, ferruginous at the base, much longer than the second, truncated at the tip; bristle much longer than the third joint, its first joint very short, second rather short, third stout for almost one-third of the length, slender from thence to the tip: chest adorned with four indistinct black stripes; scutcheon tawny: abdomen obconical, not longer than the chest, its bloom with a slight tawny tinge, and having a tessellated appearance, being interrupted by three black stripes, and by the black hind borders of the segments; last segment very bright tawny: legs black, clothed with black hairs and bristles; thighs hoary: foot-cushions tawny: wings colourless, tinged with yellow at the base; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, having a very indistinct inward curve for nearly half the length, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward and indistinct, the other shorter, more distinct and outward; scales large, white with pale yellow borders. Length of the body 4 lines; of the wings 7 lines.

a. ——— ? From Mr. Children's collection.

TACHINA Theutis, n. s. *Nigro-cinerea, capite albo micante, abdomine cano tessellato, palpis fulvis, pedibus nigris, tibiis fulvis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head covered with white lustre, darker on the crown where there is a pitchy stripe from the eyelets to the feelers, clothed beneath with hoary hairs, very prominent about the feelers; sides of the face without bristles; peristoma tawny; epistoma not prominent; eyes dark red, not hairy: palpi tawny, beset with black bristles: feelers black, nearly as long as the face; first and second joints ferruginous; third slender, linear, truncated at the tip, about thrice the length of the second; bristle more than twice the length of the third joint, its first and second

joints very short; third stout for full one-fourth of its length, very slender from thence to the tip; chest covered with dark gray bloom: abdomen nearly elliptical, longer than the chest, covered with hoary lustre, which is partly interrupted by a black stripe, and by the black hind borders of the segments, and has a tessellated appearance: legs black, rather long, clothed with black hairs and bristles; shanks tawny; foot-cushions dark tawny: wings slightly gray; wing-ribs pitchy; veins black, tawny at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, irregularly and very slightly curved inward from the base to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein straight, with the exception of two short and slight curves, the one inward and at the base, the other outward and at the tip; scales white, with pale yellow borders. Length of the body 3¼ lines; of the wings 7 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA Demylus, n. s. *Nigro-cinerea, capite flavo, thorace subvittato, abdominis lateribus basi fulvis, antennis rufis, articulo 3° nigro, palpis pedibusque fulvis, tarsis nigris, alis limpidis angustis.*

Body black, rather narrow, covered with gray bloom, clothed with black hairs and bristles; head adorned with pale yellow lustre, prominent about the base of the feelers, hoary and clothed with pale yellow hairs beneath; sides of the face fringed with bristles at the base; epistoma slightly prominent; eyes bright red, not hairy; sucker ferruginous; clothed with tawny hairs; palpi tawny, slender, beset with black bristles: feelers as long as the face; first and second joints red; third black, red at the base, linear, narrow, rounded at the tip, nearly four times the length of the second; bristle black, less than twice the length of the third joint, its first joint obsolete, second very short; third stout for about one-fourth of the length, very slender from thence to the tip: chest indistinctly striped with darker colour: abdomen nearly oval, not longer than the chest; a large tawny spot extends from the base to the middle on each side: legs tawny, rather long, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings colourless, rather long and narrow; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight till near the tip, where it has a slight inward curve, joining the border a little above the tip of the wing; lower cross-vein with two curves, one near the base short and inward, the other longer, outward and near the tip; scales white, with yellow borders. Length of the body 3½ lines; of the wings 8 lines.

a. North America? Presented by the Entomological Club.

TACHINA prisca, n. s. *Cana, angusta, thorace vittis quatuor nigris, abdominis segmentorum marginibus posticis vittaque dorsali nigris, palpis nigris, antennis ferrugineis apice nigris, pedibus fulvis longis, alis limpidis.*

Body hoary, slender, clothed with black hairs and bristles: head clothed beneath with white hairs; a pitchy stripe between the eyelets and the feelers; epistoma not prominent: sides of the face without bristles except at the base: sucker pitchy, clothed with tawny hairs; palpi long, black, beset with black bristles: feelers ferruginous, nearly as long as the face; third joint black, ferruginous at the base, which is convex above where the feelers are inserted, flat above, hardly convex beneath, truncated at the tip, more than thrice the length of the second joint; bristle twice the length of the third joint, its first and second joints very short, with tawny tips; third rather stout for one-third of the length, very slender from thence to the tip: chest adorned with four black stripes: abdomen oval, not longer than the chest; first segment, hind borders of the following segments and a middle stripe black: legs tawny, long and slender; feet black; foot-cushions tawny: wings colourless, long; wing-ribs and veins tawny; tip cross-vein forming near the wing border an obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border a little above the tip of the wing; lower cross-vein slightly curved inward near the base, indistinctly waving from thence to the tip; scales white, with very pale yellow borders. Length of the body 4 lines; of the wings 9 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA invaria, n. s. *Nigra, fulvo tecta, capite antice subtusque albo, ventre cano, palpis antennis pedibusque nigris, alis subcinereis basi subfuscis.*

Body black, covered with palè tawny bloom, clothed with black hairs and bristles: head white in front and beneath; a black stripe fringed with bristles between the eyelets and the feelers: sides of the face fringed with bristles at the base; epistoma and sides of peristoma tawny, the former not prominent: eyes dark red, not hairy: sucker and palpi black: feelers black, as long as the face; third joint linear, slender, obliquely truncated at the tip, about twice the length of the third joint, its first joint obsolete; second very short; third tapering from the base to the tip: scutcheon and abdomen armed with long black spines: abdomen obconical, a little longer than the chest, somewhat hoary beneath; legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, tinged with brown at the base; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein straight till near the tip, where it

slightly bends outward, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, shorter and much more distinct than the other which is outward; scales dingy white, with tawny borders. Length of the body 4½ lines; of the wings 9 lines.

a. France?

TACHINA Ipthime, n. s. *Nigro-cinerea, capite antico flavo, abdomine basi rufo, palpis fulvis, antennis pedibusque nigris, alis subcinereis basi fulvis.*

Body grayish black, clothed with black hairs and bristles: head bright yellow in front, and on the face, ferruginous along the sides of the face, having a dark ferruginous stripe between the eyelets and the feelers; epistoma prominent: eyes pitchy, not hairy; sucker black, clothed with pale tawny hairs: palpi tawny, not bristly: feelers black, as long as the face; first and second joints red; third linear, or hardly convex above and beneath, nearly truncated at the tip, less than twice the length of the second joint; bristle about twice the length of the third joint, its first joint obsolete; second rather long; third somewhat stout for nearly one-fourth of its length, slender, tapering and downy from thence to the tip: abdomen elliptical, longer than the chest, red on nearly the whole of the first segment, and on the sides of the second segment: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings slightly gray, tawny at the base; wing-ribs and veins tawny; veins armed with bristles, pitchy towards the tips; tip cross-vein forming an extremely obtuse angle or rather curve with the fourth longitudinal vein, nearly straight for half its length, very slightly curved inward from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein slightly curved inward at the base, almost straight from thence to the tip. Length of the body 4 lines; of the wings 7 lines.

a. France.

TACHINA Diabolus, *Wied. Auss. Zweif.* ii. 302, 38. Ocyptera Diabolus, *Wied. Zool. Mag.* iii. 26, 39.

a. Cape.

TACHINA Imbrasus, n. s. *Nigra, angusta, plumbeo ex parte tecta, capite aureo, thorace nigro quadrivittato, abdomine cano trivittato, palpis antennis pedibus alisque nigris.*

Body black, rather long and narrow, partly covered with bluish gray bloom, clothed with black hairs and bristles: head bright

gold colour, silvery behind the eyes, clothed beneath with hoary hairs; crown pitchy; a broad black stripe between the eyelets and the feelers; face fringed with bristles along half the length from the base; epistoma not prominent: eyes dark red, not hairy; sucker and palpi black; palpi beset with black bristles: feelers black, as long as the face; third joint very long, much more than six times the length of the second, slightly concave above, flat beneath, increasing in depth near the tip, which is truncated; bristle a little longer than the third joint, its second joint long, more than twice the length of the first; third tapering, rather hairy: chest adorned with four black stripes: abdomen cylindrical, a little longer than the chest, adorned with three stripes of hoary lustre; the side stripes broader and more distinct than the middle stripe: legs black, long, stout, clothed with black hairs and bristles; foot-cushions and claws back: wings black, rather paler along the hind borders; wing-ribs and veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly waving from the base to the tip, joining the border a little above the tip of the wing: lower cross-vein with two distinct curves, the lower inward, the other outward; scales white, with brown borders. Length of the body 6 lines; of the wings 13 lines.

a. Hong Kong, China. Presented by J. C. Bowring, Esq.

Div. H. Erycinæ, *Desv. Essai Myod.* 142.

Group I. Phryno, *Desv. Essai Myod.* 143.

Group II. Roeselia, *Desv. Essai Myod.* 145.

Note.—Desvoidy has lately placed the two preceding groups with the *Erythroceratæ*. (See p. 763.)

Tachina antiqua, *Meig. Dipt.* iv. 412, 300. *Zett. Dipt. Scand.* iii. 1056, 50. T. pallipes Var *β*., *Fall. Musc.* 22, 44. Eusigaster antiqua, *Macq. Hist. Nat. Dipt.* ii. 117, 5. Roeselia antiqua, *Meig. Dipt.* vii. 253, 1. *pl.* 72. *f.* 6.

a. England. Presented by F. Walker, Esq.

Group III. Erycia, *Desv. Essai Myod.* 146.

Group IV. Zenais, *Desv. Essai Myod.* 148.

Group V. Zaira, *Desv. Essai Myod.* 150.

Group VI. Zaida, *Desv. Essai Myod.* 150.

Div. I. Agridæ, *Desv. Essai Myod.* 152.

Group I. Zenillia, *Desv. Essai Myod.* 152.

Group II. Pales, *Desv. Essai Myod.* 154.

Group III. Elophoria, *Desv. Essai Myod.* 156.

TACHINA longicornis, *Fall. Musc.* 31, 63. *Meig. Dipt.* iv. 417, 310. *Zett. Dipt. Scand.* iii. 1157, 157. Fallenia longicornis, *Meig. Dipt.* vii. 265, 1.
a. England. Presented by F. Walker, Esq.

TACHINA arvensis, *Meig. Dipt.* iv. 337, 169.
a. England.

TACHINA ruricola, *Meig. Dipt.* iv. 299, 104. *Macq. Hist. Nat. Dipt.* ii. 142, 13. *Zett. Dipt. Scand.* iii. 1093, 90. Plagia ruricola, *Meig. Dipt.* vii. 201, 5.
a. England.

TACHINA Menestho, n. s. *Nigra, abdominis segmentorum marginibus anticis cinereo fasciatis, palpis antennis pedibusque nigris, alis subcinereis longis angustis.*

Body black, clothed with black hairs and bristles: head prominent about the insertion of the feelers; epistoma and sides of the face ferruginous, the former not prominent, the latter fringed with bristles for two-thirds of the length from the base: eyes dark red, not hairy: sucker and palpi black: feelers black, as long as the face; third joint nearly linear, flat above, very slightly convex beneath, truncated at the tip, about thrice the length of the second bristle, less than twice the length of the third joint, its first very short; second moderately long; third stout for one-third of the length, slender from thence to the tip: scutcheon and abdomen armed with long black spines; abdomen elliptical, a little longer than the chest; a broad gray band on the fore border of each segment; legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray, rather long and narrow; wing-ribs pitchy; veins black, pitchy at the base; first longitudinal vein armed with bristles; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved inward, joining the border a little above the tip of the wing; lower cross-vein with two very indistinct curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 3½ lines; of the wings 8 lines.
a. England. Presented by F. Walker, Esq.

Group IV. Phryxe, *Desv. Essai Myod.* 158.

Div. J. Bombomydæ, *Desv. Essai Myod.* 170.

Group I. Sturmia, *Desv. Essai Myod.* 171.

Group. II. Winthemia, *Desv. Essai Myod.* 173.

TACHINA meditata? *Meig. Dipt.* iv. 15, 8. Senomeopia meditata? *Macq. Hist. Nat. Dipt.* ii. 107, 8. Winthemia nobilis, *Desv. Essai Myod.* 175, 5. W. meditata, *Desv. Ann. Soc. Ent. Fr. 2nd serie*, v. 286, 5.

a. England.

TACHINA Clymene, n. s. *Atra, augusta, nitens, capite ad os ferrugineo, palpis fulvis, antennis nigris, articulo 3° pedibusque ferrugineis, tarsis nigris, alis limpidis, basi et ad costam flavis.*

Body black, shining, narrow, clothed with black hairs and bristles and spines: head very bristly, ferruginous between the eyes and the peristoma, which is yellow; epistoma prominent; sides of the face fringed with bristles for one-third of the length from the base: eyes dark red, hairy: sucker and palpi tawny: feelers black, much shorter than the face; third joint ferruginous, deep, linear, truncated at the tip, very much longer than the second; bristle black, much longer than the third joint, its first joint obsolete, second very short; third stout for one-third of its length, slender and tapering from thence to the tip: abdomen spindle-shaped, a little longer than the chest: legs ferruginous, clothed with black hairs and bristles; feet black: foot-cushions yellow: wings colourless, tinged with yellow at the base, and along the fore border: wing-ribs and veins yellow; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward. Length of the body 4 lines; of the wings 7 lines.

a. England.

Group III. Carcelia, *Desv. Essai Myod.* 176.

TACHINA lugubris? *Mieg. Dipt.* iv. 370, 227.

a. England.

Group IV. Smidtia, *Desv. Essai Myod.* 183.

Group V. Aplomya, *Desv. Essai Myod.* 184.

TACHINA nervosa, *Walker, Linn. Trans.* xvii. 341, 26.
a. Port Famine. Presented by the Entomological Club.

TACHINA pyrrhopyga, *Wied. Zool. Mag.* iii. 53, 19. *Auss. Zweif.* ii. 319, 69. *Walker, Linn. Trans.* xvii. 341, 27.
a. South America. Presented by the Entomological Club.

TACHINA Hybreas, n. s. *Nigro-cinerea, capite antico fulvo, palpis fulvis, pedibus nigris, tibiis fulvis, alis sublimpidis basi et ad costam fulvis.*

Body black, stout, clothed with black hairs and bristles, covered with a gray bloom: head pale, tawny in front, clothed beneath with pale yellow hairs; a ferruginous stripe between the eyelets and the feelers; epistoma not prominent: eyes red, not hairy: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles; feelers wanting: scutcheon ferruginous towards the tip: abdomen elliptical, a little longer and broader than the chest: legs black; shanks dark tawny; wings nearly colourless, tawny at the base, and along the fore borders for nearly half the length; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, nearly straight, but very slightly waving from the base to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two distinct curves, the lower inward and rather shorter than the other, which is outward; scales white, bordered with yellow. Length of the body 4 lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TACHINA Coras, n. s. *Nigra, capite aureo, thorace vittis tribus intermedia duplicata, pectoreque canis, lateribus flavescentibus, scutello ferrugineo, abdomine maculis fasciisque plumbeis ornato, palpis fulvis, antennis ferrugineis, articulo 3° pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head bright gold colour, clothed beneath with bright yellow hairs, very prominent about the base of the feelers; face hoary, its sides fringed with bristles for one-fourth of the length from the base; epistoma slightly promiment: eyes red, not hairy; sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, shorter than the face; first and second joints dark ferruginous, third joint nearly linear, but with a very slight depression above, and a proportionate convexity beneath, truncated at the tip; full twice the

length of the second joint; bristle about twice the length of the third joint, its second joint of moderate length, about twice the length of the first joint; third joint stout for more than one third of the length, when it is adorned with a red band, slender from thence to the tip: chest adorned with three slender hoary stripes; middle stripe double; sides tinged with yellow; scutcheon very dark ferruginous; breast hoary; abdomen obconical, not longer than the chest, adorned with a large bluish white spot on each side of every segment, across whose fore border there is a narrow band of the same colour: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings nearly colourless; wing-ribs tawny; veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward near the base, nearly straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with a slight inward curve, extending nearly along its whole length. Length of the body 5 lines; of the wings 10 lines.

a. West Australia. From Mr. Clifton's collection.

TACHINA flavicans, *Wied. Zool. Mag.* iii. 24, 36. *Auss. Zweif.* ii. 324, 79.

a. Cape.

TACHINA Epicydes, n. s. *Nigro-cinerea, capite cano micante, palpis fulvis, antennis pedibusque nigris, tibiis basi fulvis, alis subcinereis.*

Body grayish black, clothed with black hairs and bristles: front of the head adorned with hoary lustre; a ferruginous stripe on each side of the peristoma; sides of the face without bristles, except at the base; epistoma not prominent: eyes red, hairy: sucker pitchy, clothed with tawny hairs; palpi stout, tawny, beset with black bristles: feelers black, a little shorter than the face; third joint about twice the length of the second, flat above, till near the tip where it rises, rather convex beneath, slightly rounded at the tip; bristle more than twice the length of the third joint, its first joint obsolete; second very short; third slender, tapering from the base to the tip: abdomen nearly oval, very little longer than the chest: legs black, clothed with black hairs and bristles; shanks tawny at the base; foot-cushions yellow: wings slightly gray; wing-ribs dark tawny; veins black, tawny at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, straight for one-fourth of the length, and having a very slight inward curve from them to the tip, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves,

the lower inward, the upper outward; scale white, with yellow borders. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TACHINA Pansa, n. s. *Picea, capite flavo-albo micante, thoracis lateribus vittisque tribus cinis, abdomine cano trifasciato, palpis fulvis, antennis, pedibusque nigris, alis subcinereis.*

Body pitchy, clothed with black hairs and bristles; head covered with yellowish-white lustre, clothed beneath with pale yellow hairs, having a tawny hue on each side of the crown, the middle part of which is occupied by a pitchy stripe between the eyelets and the feelers; sides of the face tawny, fringed with black bristles for full half the length from the base: a tawny band on each side between the face and the eyes; epistoma slightly prominent; eyes dark red, not hairy: sucker black, pitchy and clothed with tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, a little shorter than the face; third joint a little more than twice the length of the second joint, flat above, slightly convex beneath, rounded at the tip; bristle rather less than twice the length of the third joint; its first joint obsolete; second very short; third stout for more than one-third of its length, very slender from thence to the tip: chest adorned with three slender hoary stripes; sides hoary; scutcheon ferruginous; abdomen obconical, longer than the chest, adorned with three hoary bands on the fore borders of the segments; first and second bands narrow above, broad on each side; third band broad, and sending forth a short stripe towards the tip: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, almost straight from thence to the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, the upper shorter and outward. Length of the body 6—7 lines; of the wings 11—12 lines.

Var. β. The inward curve of the lower cross-vein shorter and more distinct than the outward.

Var. γ. Lower cross-vein slightly waving for half its length, straight from thence to the tip.

a. North America. Presented by the Entomological Club.
b. Nova Scotia.

Var. δ.? Body pitchy, clothed with black hairs and bristles: head covered with a pale tawny, shining, silk-like covering, thickly

clothed behind and beneath with yellowish white hairs; a black stripe extends from the feelers to the eyelets, on approaching which it gradually disappears; sides of the face fringed with bristles for nearly two-thirds of the length from the base; epistoma prominent: eyes dark red, not hairy: sucker black, pitchy, and clothed with tawny hairs towards the tip; palpi ferruginous, slender, beset with black bristles: feelers ferruginous, shorter than the face; third joint of the male longer than that of the female, much more than twice the length of the second joint, pitchy, linear, truncated at the tip; third joint of the female more than twice the length of the second, rather deep, flat above slightly convex beneath, very obliquely truncated at the tip; bristle pitchy, nearly twice the length of the third joint, its first joint obsolete, second short, third stout for one-third of the length, very slender from thence to the tip: chest covered with dark tawny bloom, very indistinctly striped, paler and with a hoary tinge on each side and beneath; scutcheon armed with a few long black spines; abdomen long-obconical, much longer than the chest, adorned with three short whitish bands on the fore borders of the segments; third band much broader than the preceding, and having a tawny tinge on the hinder part: legs black, thickly clothed with black hairs and bristles; thighs and shanks slightly covered with hoary bloom; foot-cushions tawny: wings slightly gray, yellowish, white at the base; wing-ribs ferruginous; veins black, ferruginous towards the base; tip cross-vein forming almost a right angle with the fourth longitudinal vein, very slightly curved inward, joining the border far above the tip of the wing; lower cross-vein with a slight inward curve from the base till near the tip, whence it is straight; scales dingy white with tawny borders. Length of the body 5½—6 lines; of the wings 11—12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA violenta. n. s. mas. *Picea, fulvo tecta, thorace subvittato, abdomine fulvo trifasciato, palpis antennisque ferrugineis, harum articulo 3° piceo, pedibus nigris, alis subcinereis basi flavo-albis.*

Body pitchy, clothed with black hairs and bristles: head with a golden tawny covering, thickly clothed behind and beneath with tawny hairs; a black stripe extends from the feelers towards the eyelets on approaching which it gradually disappears; sides of the face fringed with bristles for nearly two-thirds of the length; epistoma slightly prominent: eyes dark red, not hairy: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi ferruginous, slender, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint pitchy, linear, slightly rounded at

the tip, thrice the length of the second joint; bristle black, twice the length of the third joint, its first joint obsolete; second short; third stout for one-third of the length, very slender from thence to the tip; chest with a yellowish-tawny covering, very indistinctly striped; breast dark tawny; scutcheon armed with a few long black spines: abdomen long-obconical, much longer than the chest, adorned with three pale tawny bands on the fore borders of the segments; third band much broader than the preceding; legs black, thickly clothed with black hairs and bristles; thighs and shanks slightly covered with hoary bloom; foot-cushions tawny; wings slightly gray, yellowish white at the base; wing-ribs ferruginous; veins black, ferruginous towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border far above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward, but hardly perceptible; scales dingy with white tawny borders. Length of the body 6 lines; of the wings 12 lines.

a. Nova Scotia. From Lieut. Redman's collection.

TACHINA irrequieta, n. s. *Nigra, fulvo tecta, thorace subvittato, abdominis vitta et segmentorum marginibus posticis nigris, pectore ventreque canis, palpis ferrugineis, antennis pedibusque nigris, alis sublimpidis basi flavo-albis.*

Body black, clothed with black hairs and bristles: head with a pale yellow covering, thickly clothed behind and beneath with yellowish white hairs; a black stripe proceeds from the feelers towards the eyelets on approaching which it ceases; sides of the face fringed with bristles for two-thirds the length from the base; epistoma slightly prominent: eyes dark red, not hairy: sucker black, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers black, nearly as long as the face; second joint ferruginous towards the tip; third joint of the male more than twice the length of the second, linear, truncated at the tip, third joint of the female nearly twice the length of the second, rather deep, slightly increasing in depth from the base to the tip, which is obliquely truncated; bristle like that of the preceding species: chest with a dull pale tawny covering, which is indistinctly striped; breast more hoary; scutcheon armed with some long black spines: abdomen oval, not longer than the chest, adorned with a pale tawny covering, which is partly interrupted on the hind borders of the segments, and by a stripe along the back; underside quite hoary: legs black, clothed with black hairs and bristles; thighs and shanks with a slight hoary tinge; foot-cushions tawny: wings nearly colourless, yellowish white towards the base; wing-ribs tawny; veins black, tawny towards the base;

tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, more distinct than the other, which is outward; scales white, with yellow borders. Length of the body 5 lines; of the wings 10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Div. K. Tachinariæ, *Desv. Essai Myod.* 185.

Group I. Tachina, *Desv. Essai Myod.* 186.

Group II. Voria, *Desv. Essai Myod.* 195.

Group III. Guerinia, *Desv. Essai Myod.* 196.

Group IV. Meigenia, *Desv. Essai Myod.* 198.

Group V. Acemya, *Desv. Essai Myod.* 202.

TACHINA præpotens, *Meig. Dipt.* 292, 95.
a. England.

TACHINA larvarum, *Meig. Dipt.* iv. 295, 100, vii. 190, 19. *Macq. Hist. Nat. Dipt.* ii. 141, 8, *pl.* 14, *f.* 15. *Zett. Ins. Lapp.* 634, 2. *Dipt. Scand.* iii. 1015, 3. Musca larvarum *Linn. Faun. Suec.* 1839. *Fabr. Sp. Ins.* ii. 442, 34. *Ent. Syst.* iv. 326, 59. *Syst. Antl.* 300, 81. *Gmel. Ed. Syst. Nat.* v. 2846, 78. *Deg. Ins.* vi. 14, 4? *Schrank, Faun. Boic.* iii. 2443. *Ins. Austr.* 937. Tachina rustica, *Fall. Musc.* 5, 5.
a. England.

TACHINA nitidula, *Meig. Dipt.* iv. 297, 101.
a. England.

TACHINA consobrina, *Meig. Dipt.* iv. 248, 15. *Zett. Dipt. Scand.* iii. 1103, 100. Nemoræa consobina, *Meig. Dipt.* vii. 221, 5. *Macq. Ann. Soc. Ent. Fr. 2me série*, vi. 116, 10, *pl.* 6, *f.* 6.
a. England.

TACHINA Cymelus, n. s. *Nigro-cinerea, capite argenteo micante, thorace nigro bivittato, scutelli apice ferrugineo, abdomine nigro-piceo cano micante segmenti 2° lateribus ferrugineis, palpis antennis pedibusque nigris, alis subcinereis basi fulvis.*

Body black, clothed with black hairs and bristles: head adorned on the face on the borders of the eyes, and in front with silvery

lustre, clothed beneath with hoary hairs, ferruginous on each side of the epistoma, which is not prominent; sides of the face fringed with hairs at the base; eyes red, not hairy: sucker black, ferruginous and clothed with tawny hairs at the tip: palpi black, beset with black bristles: feelers black, shorter than the face; third joint a little more than twice the length of the second, very slightly convex above and beneath, obliquely truncated at the tip; bristle tapering, downy, rather more than twice the length of the third joint, its first joint obsolete; second very short: third rather stout for about one-fourth of the length, slender from thence to the tip: chest gray with two indistinct black stripes; scutcheon dark ferruginous towards the tip: abdomen sowewhat pitchy, nearly oval, not longer than the chest, adorned with hoary reflections which are chiefly on each side of the fore borders of the segments, and have a tessellated appearance; second ferruginous on each side: legs black, clothed with black hairs and bristles; thighs and shanks with a slight hoary tinge; foot-cushions tawny: wings slightly gray, tinged towards the base with pale tawny; shoulders tawny; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, a little curved inward along the whole length, joining the border a short distance above the tip of the wing; lower cross-vein with two hardly perceptible curves, the lower inward, the other outward; scales dingy white with pale tawny borders. Length of the body 4½ lines; of the wings 9 lines.

a. ——— ? From Mr. Children's collection.

TACHINA Astytos, n. s. *Nigra, lata, capite ad os fulvo, facie alba, thorace cinereo subvittato, abdominis lateribus ferrugineis, antennis ferrugineis, articulo 3° palpisque nigris, pedibus nigris, tarsis piceis, alis sublimpidis.*

Body rather broad, black, clothed with black hairs and bristles: head pale tawny in front, clothed beneath with hoary hairs, brown on the crown, epistoma prominent; face white, its sides ferruginous; fringed with bristles along full half the length from the base: eyes dark red, hairy; sucker black, clothed with tawny hairs; palpi black, beset with black bristles; feelers ferruginous; third joint black, bristle tapering, stout: chest gray, indistinctly striped: scutcheon ferruginous, armed with a few long black spines; abdomen obconical, black, a little shorter than the chest, ferruginous on each side; legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; feet pitchy; foot-cushions tawny; wings nearly colourless, whitish at the base; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming an obtuse angle with the

fourth longitudinal vein, very straightly curved inward in the middle of its course, joining the border at some distance above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the other outward; scales white, with pale tawny borders. Length of the body 5 lines; of the wings 11 lines.

a. ——— ?

Group VI. Gymnocheta, *Desv. Essai Myod.* 371.

TACHINA viridis, *Fall. Musc.* 25, 51. *Meig. Dipt.* iv. 258, 32. *Zett. Dipt. Scand.* iii. 1190, 3. Gymnocheta viridis *Desv. Essai Myod.* 372, 2. Chrysosoma viridis, *Macq. Hist. Nat. Dipt.* ii. 150, 1, *pl.* 14. *f.* 16. *Ann. Soc. Ent. France, 2mé serie,* vi. 90, 1. *Meig. Dipt.* vii. 217, 2, *pl.* 70, *f.* 6.

a. England.

Div. L. Macquartidæ, *Desv. Essai Myod.* 203.

Group I. Macquartia, *Desv. Essai Myod.* 204.

TACHINA egens, *Wied. Meig. Dipt.* iv. 275, 63. Macquartia egens, *Desv. Essai Myod.* 205, 2.

a. England. Presented by F. Walker, Esq.

TACHINA chalybeata, *Meig. Dipt.* iv. 271, 56. Musca promans? *Harr. Ex.* 143, *pl.* 42, *f.* 47.

a. England.

Group II. Amedia, *Desv. Essai Myod.* 207.

Group III. Eubia, *Desv. Essai Myod.* 207.

TACHINA tremula, *Fabr. Syst. Antl.* 310, 9. *Fall. Musc.* 34, 70. *Meig. Dipt.* iv. 272, 58. Musca tremula, *Linn. Fabr. Sp. Ins.* ii. 442, 32. *Ent. Syst.* iv. 325, 56. *Gmel. Ed. Syst. Nat.* v. 2846, 77. *Schrank, Faun. Boic.* iii. 2440. *M. grossa, Schrank, Ins. Austr.* 946.

a. England.
b. France.

Group IV. Minella, *Desv. Essai Myod.* 209.

Group V. Albinia, *Desv. Essai Myod.* 209.

Group VI. Novia, *Desv. Essai Myod.* 210.

Tachina ignobilis, *Meig. Dipt.* iv. 264, 42. Nemoræa ignobilis, *Meig. Dipt.* vii. 221, 19, *Macq. Ann. Soc. Ent. France, 2me série*, vi. 128, 25.
a. England.

Div. M. Sericoceratæ, *Desv. Essai Myod.* 211.

Group I. Microptera, *Desv. Essai Myod.* 212.

Group II. Phyllomya, *Desv. Essai Myod.* 213.

Group III. Phorophylla, *Desv. Essai Myod.* 213.

Tachina lateralis, *Meig. Dipt.* iv. 283, 78. Musca lateralis, *Fabr. Sp. Ins.* ii. 443, 37. *Ent. Syst.* iv. 328, 68. *Gmel. Ed. Syst. Nat.* v. 2847, 211. *Schell. Gen. Mouch. pl.* 3, *f.* 3. *Schrank, Faun. Boic.* iii. 2445. *Don. Brit. Ins.* l. 62, *pl.* 31, *f.* 3. *Stew. El.* 259. *Turt.* iii. 607. M. restituo, *Harr. Ex.* 36, *pl.* 9, *f.* 5. Ocyptera lateralis, *Fabr. Syst. Ant.* 314, 8. O. tachinaria, *Fall. Rhizom.* vi. 4. Musca rufomaculata, *Deg. Ins.* vi. 15, 7, *pl.* 1, *f.* 9. Olivieria lateralis, *Desv. Essai Myod.* 283, 1.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Div. N. Ptiloceratæ, *Desv. Essai Myod.* 217.

Group I. Phyto, *Desv. Essai Myod.* 218.

Group II. Stevenia, *Desv. Essai Myod.* 220.

Group III. Ptilocera, *Desv. Essai Myod.* 221.

Group IV. Thilaira, *Desv. Essai Myod.* 214.

Group V. Uramya, *Desv. Essai Myod.* 215.

Group VI. Mintho, *Desv. Essai Myod.* 216.

Tachina Thaumas, n. s. *Nigro-cinerea, facie alba, thorace subvittato, abdominis segmentorum marginibus anticis cano micantibus, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles, slightly covered with gray: a black stripe with a hoary border on each side between the eyelets and the feelers; face white, its sides fringed with bristles towards the base; epistoma not prominent; eyes dark red, not hairy: sucker and palpi black; feelers black, as long as the

face; third joint linear, more than twice the length of the second; bristle about twice the length of the third joint, rather stout towards the base, feathered with short hairs till near the tip, chest indistinctly striped: scutcheon and abdomen armed with some long black spines: abdomen gray, obconical, longer than the chest; fore borders of the segments adorned with hoary reflections: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip, joining the border far above the tip of the wing; lower cross-vein with two slight outward curves, and between them an equally slight inward curve; scales white, with pale yellow borders. Length of the body 2 lines; of the wings 3½ lines.

a. ———?

Div. O. Dufouridæ, *Desv. Essai Myod.* 252.

Group I. Dionæa, *Desv. Essai Myod.* 253.

Group. II. Phanemya, *Desv. Essai Myod.* 254.

Group III. Clelia, *Desv. Essai Myod.* 255.

Group IV. Feburia, *Desv. Essai Myod.* 256.

Group V. Dufouria, *Desv. Essai Myod.* 257.

Div. P. Gagateæ, *Desv. Essai Myod.* 260.

Group I. Nyctia, *Desv. Essai Myod.* 262.

Group II. Morinia, *Desv. Essai Myod.* 264.

Group III. Medoria, *Desv. Essai Myod.* 266.

Group IV. Megerlea, *Desv. Essai Myod.* 266.

Group V. Kirbya, *Desv. Essai Myod.* 267.

Group VI. Scopolia, *Desv. Essai Myod.* 268.

TACHINA carbonaria, *Meig. Dipt.* iv. 420, 315. Ocyptera carbonaria, *Fall. Rhizom.* 8—9. Musca carbonaria, *Panz. Faun. Germ.* 54, 15. Scopolia carbonaria, *Desv. Essai Myod.* 269, 2. *Zett. Dipt. Scand.* iii. 1239, 1. Melanophora carbonaria, *Macq. Hist. Nat. Dipt.* ii. 176, 9.

a. ———? From Mr. Children's collection.

Group VII. Paykullia, *Desv. Essai Myod.* 270.

Group VIII. Melanophora, *Meig. Desv. Essai Moyd.* 271.

Tachina roralis, *Meig. Dipt.* iv. 284, 79. *Macq. Hist. Nat. Dipt.* ii. 178, 17. *Zett. Dipt. Scand.* iii. 1237, 1. Melanophora roralis, *Desv. Essai Myod.* 272, 1. Musca roralis, *Linn. Syst. Nat.* ii. 993. *Faun. Suec.* 1846. *Gmel. Ed. Syst. Nat.* v. 2848, 85. *Fabr. Sp. Ins.* ii. 444, 44. *Ent. Syst.* iv. 330, 76. *Syst. Antl.* 304, 102. *Schrank, Faun. Boic.* iii. 2446. *Ins. Austr.* 941. *Turt.* iii. 608. M. grossificationis, *Linn. Syst. Nat.* ii. 296. *Faun. Suec.* 1865. *Gmel. Ed. Syst. Nat.* v. 2855, 109. *Fabr. Sp. Ins.* ii. 451, 83. *Ent. Syst.* iv. 351, 161. *Schrank, Ins. Austr.* 954. *Turt.* iii. 618. *Don. Brit. Ins.* xii. 71, *pl.* 419. M. interventum, *Harr. Ex.* 144, *pl.* 42, *f.* 57. Tephritis grossificationis, *Fabr. Syst. Antl.* 324, 42. Ocyptera roralis, *Fall. Rhizom.* 7, 7.

Group IX. Illigeria, *Desv. Essai Myod.* 273.

Tachina luctuosa, *Meig. Dipt.* iv. 347, 186.
a. England

Tachina ——— ?
a. Upsal, Sweden. Presented by the Entomological Club.

Tachina atramentaria, *Megerle, Meig. Dipt.* iv. 291, 93.
a. England.
b. France?
c. Naples. Presented by M. A. Pierret.

Tachina simplex, *Meig. Dipt.* iv. 289, 89. Ocyptera simplex, *Fall. Rhizom.* 8, 10. Melanophora simplex, *Macq. Hist. Nat. Dipt.* ii. 178, 19. Leucostoma simplex, *Zett. Dipt. Scand.* iii. 1235, 5.
a. ——— ? From Mr. Children's collection.
b. ——— France?

Tachna Helymus, n. s. *Nigra, nitens, palpis antennis pedibusque nigris, alis subcinereis marginibus anticis fuscis, venis transversis fusco nebulosis.*

Body black, shining, clothed with black hairs and bristles: eyes red, not hairy; feelers, sucker and palpi black; abdomen spindle-shaped, longer than the chest; legs black, clothed with black

hairs and bristles; wings slightly gray, brown along the fore borders; cross-vein clouded with brown; tip cross-vein forming an acute angle with the fourth longitudinal vein, much curved inward, joining the third longitudinal at a long distance before the tip of the latter; lower cross-vein slightly curved inward, nearly perpendicular to the longutinal veins; scales white, with yellow borders. Length of the body 2¼ lines; of the wings 4 lines.

a. Maine. Presented by the Entomological Club.

TACHINA Sosilus, n. s. *Nigra, palpis antennis pedibusque nigris, alis albis.*

Body black, clothed with black hairs and bristles: eyes red, not hairy: sucker, palpi and feelers black: abdomen oval, hardly longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings white; wing-ribs and veins yellow; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved outward, joining the third longitudinal vein at some distance from the tip of the latter; lower cross-vein very slightly curved inward, nearly straight at the base, and at the tip. Length of the body 1½ lines; of the wings 3 lines.

a. New Zealand.

TACHINA Ælops, n. s. *Nigra, capite ad os argenteo, abdomine fulvo, palpis antennisque nigris, pedibus piceis, alis fuscis angustis.*

Body black, clothed with black hairs and bristles: head silvery in front; epistoma prominent: sides of the face without bristles; eyes dark red, not hairy: sucker, palpi and feelers black: abdomen tawny, cylindrical, much longer than the chest: legs pitchy, clothed with black hairs and bristles; wings deep brown, rather narrow; wing-ribs and veins black; tip cross-vein forming a very obtuse angle or rather curve with the fourth longitudinal vein, almost straight till near the tip, and then it is slightly inclined inward, joining the border at the tip of the wing; where the third longitudinal vein also terminates; lower cross-vein almost perpendicular to the longitudinal veins, slightly curved inward in half of its course; scales white, very large. Length of the body ¾ lines; of the wings 5 lines.

a. Georgia. From Mr. Abbot's collection.

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TACHINA Corythus, n. s. *Nigro-fusca facie flava, thoracis lateribus abdomineque fulvis, palpis antennis pedibusque nigris, femoribus fulvis, alis fusco-cinereis, maryinibus posticis subcinereis.*

Body very dark brown, clothed with black hairs and bristles: head prominent about the insertion of the feelers, adorned with a tawny stripe on each side of the crown; face yellow, fringed with bristles at the base; epistoma not prominent; eyes pitchy, not hairy: sucker tawny, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, shorter than the face; third joint nearly spindle-shaped, hardly longer than the second, bristle much longer than the third joint, its first joint obsolete; second very short; third stout for one-third of the length, slender from thence to the tip: sides of the chest tawny; abdomen tawny, nearly cylindrical, a little narrower and much longer than the chest: legs black, clothed with black hairs and bristles; thighs tawny with black tips; foot-cushions large, tawny: wings for more than half the breadth dark gray, with brown stripes along the veins, pale gray along the hind borders; wing-ribs and veins black; fourth longitudinal vein slightly waving in the latter part of its course; middle cross-vein clouded with brown; tip cross-vein forming an extremely obtuse angle or rather curve with the fourth longitudinal vein, slightly curved outward, joining the third longitudinal vein at some distance before the tip of the latter; lower cross-vein with two curves, the lower inward, less distant than the other which is outward; scales yellowish white. Length of the body 3¼ lines; of the wings 6 lines.

a. Georgia. From Mr. Abbot's collection.

GONIA *Meigen*.

GONIA capitata, *Meig. Dipt.* iv. 3, 8. *Curt. Brit. Ent.* 533, 1. *Macq. Hist. Nat. Dipt.* ii. 85, 1. *Ann. Soc. Ent. France, 2me série*, iii. 277, 1, *pl.* 5, *f.* 8. *Zett. Dipt. Scand.* iii. 1192, 1. Musca capitata, *Degeer, Ins.* vi. 12, 2, *pl.* 1, *f.* 3. Tachina capitata, *Fall. Musc.* ii. 18. Reaumuria capitata, *Desv. Essai Myod.* 80, 2. Rhedia vernalis, *Desv. Essai Myod.* 75, 1. Var? Gonia vittata, *Meig. Dipt.* iv. *Macq. Ann. Soc. Ent. France, 2me série*, iii. 279, 3, *pl.* 5, *f.* 9.

a. England.
b. England. From Mr. Shuckard's collection.

GONIA ornata, *Meig. Dipt.* v. 32, *pl.* 42, *f.* 10. *Macq. Ann. Soc. Ent. France, 2me série*, iii. 278, 2.
a. ——? From Mr. Children's collection.

Gonia auriceps, *Meig. Dipt.* v. 5, 7. *Curt. Brit. Ent.* 533, 3.
a: ———?
b. Tunis. From Mr. Fraser's collection.
c. Georgia.

Gonia Philadelphica, *Macq. Dipt. Exot.* ii. 3, 51, 6.
a. North America. Presented by the Entomological Club.
b. Nova Scotia. From Lieut. Redman's collection.

Gonia bimaculata, *Wied. Zool. Mag.* iii. 25, 38. *Auss. Zweif.* ii. 344, 3.
a. South Africa. Presented Dr. A. Smith.

Gonia angusta, *Macq. Dipt. Exot.* ii. 3, 56, 7, *pl. 5, f. 5*.
a. Jamaica. From Mr. Gosse's collection.
b. Jamaica.

Gonia albifrons, *Barnston's MSS.* fem. *Nigra, capite fulvo, scutello ferrugineo, abdomine nigro-cinereo, antennis ferrugineis articulo 3° pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles; head pale tawny, adorned with whitish lustre, thickly clothed beneath with white hairs; epistoma prominent; face white, its sides fringed with bristles for one-fourth of the length from the base; eyes red: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, as long as the face; first and second joints ferruginous; third joint black, slender, linear, rounded at the tip, about four times the length of the second; bristle black, a little shorter than the third joint: scutcheon ferruginous: abdomen obconical, a little shorter than the chest, slightly tinged with gray: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly curved inward along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two short curves, one inward at the base, the other outward at the tip, the middle part straight; scales white, with yellowish white borders. Length of the body 4½ lines; of the wings 9 lines

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

GONIA Chilonis, n. s., fem. *Nigra, capite fulvo, scutello ferrugineo, abdominis lateribus cano maculatis, antennis ferrugineis, articulo 3° pedibusque nigris, alis subcinereis basi fulvis ad costam fuscis.*

Body black, clothed with black hairs and bristles: head tawny, clothed beneath with pale yellow hairs; sides of the face fringed with bristles for three-fourths of the length: eyes dark red: sucker black, clothed at the tip with tawny hairs: palpi tawny, beset with black bristles: feelers black, as long as the face; first and second joints ferruginous; third linear, about four times the length of the second, slightly rounded at the tip; bristle a little shorter than the third joint: scutcheon ferruginous: abdomen obconical, as long as the chest, adorned with a hoary spot on each side of the fore border of every segment; legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, tawny at the base, brown along the fore borders; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, hardly curved inward near the base, almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales pale tawny. Length of the body 4—5 lines; of the wings 7—9 lines.

a. ——— ?

GONIA Milias, n. s., fem. *Nigra, cano tecta, capite fulvo, thorace quadrivittato, scutello fulvo, abdomine cano micante, lateribus basi fulvis, antennis ferrugineis, articulo 3° pedibusque nigris, alis albidis basi subfulvis.*

Body black, with a hoary covering, clothed with black hairs and bristles: head pale tawny, with a white bloom, clothed beneath with white hairs; epistoma slightly prominent; sides of the face fringed with bristles for half the length from the base; eyes red: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, a little shorter than the face; first and second joints ferruginous; third ferruginous at the base, and for half the length beneath, linear, slender, truncated at the tip, more than four times the length of the second joint; bristle a little shorter than the third joint: chest adorned with four slender interrupted black stripes; scutcheon tawny, as is also the neighbouring part of the chest: abdomen obconical, not longer than the chest, adorned with hoary reflections, and on each side of the base, with a very large tawny spot: legs black, clothed with black hairs and bristles; knees ferruginous; foot-cushions tawny: wings whitish, pale tawny at the base: wing-ribs tawny; veins pitchy; tawny at the base; tip cross-

vein forming an acute angle with the fourth longitudinal vein, slightly curved inward near the base; almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower short and inward, the other long and outward; scales grayish with tawny borders. Length of the body 5 lines; of the wings 10 lines.

a. New Holland. Presented by the Earl of Derby.

DUOMYIA, n. g.

Body, linear, convex, narrow: head large, without bristles; face very large, furrowed; epistoma not prominent: sucker large: feelers shorter than the face; third joint long, compressed nearly linear; bristle not hairy, nearly twice the length of the third joint, its first joint obsolete; second very short: third slightly thickened at the base, slender and tapering from thence to the tip: 4th longitudinal vein not sending forth a tip cross-vein as in Tachina, but more resembling that of Anthomyia, and proceeding in a nearly straight line to the tip of the wing.

DUOMYIA obscura, n. s., fem. *Cyanea, capite thoracisque lateribus ferrugineis, abdomine purpureo, antennis nigris, pedibus ferrugineis, femoribus supra cyaneis, tibiis anticis tarsisque nigris, alis fuscis.*

Head pitchy and furnished with a few short white hairs above, yellow in front, ferruginous on the crown, whence a ferruginous stripe extends to the feelers; face pale yellow; grooves for the feelers white; eyes red, not hairy; sucker black, clothed with short tawny hairs; palpi black, beset with black bristles: feelers black; third joint flat above, very slightly convex beneath, rounded at the tip, nearly six times the length of the second joint: chest dark blue, shagreened, thinly covered with tawny down, ferruginous on each side; scutcheon smooth, shining, abdomen dark purple, very convex, punctured, shining, narrower and a little longer than the chest: legs ferruginous, stout, clothed with short hoary hairs; thighs blue above; fore shanks and feet black; foot-cushions tawny: wings dark brown, especially along the fore border; wing-ribs tawny; veins black, tawny at the base; fourth longitudinal vein forming a very obtuse angle at the junction of the lower cross-vein, joining the border a very little above the tip of the wing; lower cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight for half the length, slightly curved outward from thence to the tip; scales brownish. Length of the body 7 lines; of the wings 14 lines.

a. New Holland. Presented by J. Hunter, Esq.

DUOMYIA thalassina, n. s. fem. *Cyaneo-viridis, capite ferrugineo, antennis nigris, pedibus ferrugineis, femoribus viridibus, tarsis fulvis, alis subfulvis.*

Head ferruginous, pitchy about the base of the feelers, pale yellow in front; grooves of the feelers almost white: eyes red, not hairy: sucker black, clothed with short tawny hairs; palpi black, beset with black bristles; feelers black; slightly convex above and beneath, rounded at the tip: chest and abdomen dark bluish-green, thinly covered with tawny down: chest shagreened; scutcheon smooth, shining: abdomen punctured, obconical, shorter and narrower than the chest: legs ferruginous, clothed with short pale hairs; hips and thighs green; tips of thighs tawny; feet tawny, darker towards the tips: claws black: wings with a tawny tinge, which is deeper on the fore borders; wing-ribs and veins tawny; scales yellowish white with tawny borders; structure of the veins like that of *D. obscura*. Length of the body 5—6 lines; of the wings 11—12 lines.

a. ——— ?

CHROMATOMYIA, n. g.

Head without bristles; face large, forming a ridge; epistoma prominent: sucker large: feelers shorter than the face; third joint rather long; bristle long, slender, not hairy, its first joint obsolete, second very short: structure of the wing-veins like that of Duomyia.

CHROMATOMYIA, formosa, n. s., fem. *Ferruginea, thoracis disco abdomineque cyaneis, antennis ferrugineis, articulo 3° piceo, pedibus ferrugineis, tarsis subnigris, alis limpidis, basi costa venarumque marginibus fulvis.*

Head ferruginous, thinly clothed with short tawny hairs; eyes pitchy, not hairy; sucker ferruginous; palpi tawny, beset with black bristles: feelers ferruginous, not more than half the length of the face; third joint pitchy, slightly convex above and beneath, rounded at the tip, nearly twice the length of the second joint; bristle black, tawny at the base, nearly twice the length of the third joint; its third joint stout for less than one-fourth of the length, very slender from thence to the tip; chest and breast ferruginous, thinly clothed with short tawny hairs; disk of the chest blue, including a tawny stripe on the fore part; abdomen bright blue, smooth, shining, obconical, a little shorter and broader than the chest: legs ferruginous, clothed with short tawny hairs; feet blackish; foot-cushions dull tawny: wings colourless, tawny at the base, and on the fore

borders and along the borders of the veins; fore borders adorned with four black spots, first spot at the base, irregular; second smaller, triangular; third like a dot; fourth at the tip; wing-ribs and veins tawny; veins black on the dark parts, and at the tips of the wings; fourth longitudinal vein forming an extremely obtuse angle at the junction of the lower cross-vein, thence very slightly curved inward, and joining the border a little below the tip of the wing; lower cross-vein very slightly curved inward, forming a very obtuse angle with the fourth longitudinal vein; scales yellowish-white, with yellow borders. Length of the body 6 lines; of the wings 14 lines.

a. Australia. From the Rev. J. Wenham's collection.

CHROMATOMYIA placida, n. s., fem. *Ferruginea, abdomine viridi, antennis ferrugineis, articulo 3° palpisque nigris, pedibus fulvis, tarsis subnigris, alis subfulvis fusco quadrimaculatis.*

Head ferruginous, thinly clothed with short tawny hairs; eyes gold-colour, not hairy: sucker ferruginous; palpi black, beset with black bristles; feelers ferruginous, not more than half the length of the face; third joint black, slightly convex above and beneath, rounded at the tip, nearly twice the length of the second joint; bristle black, tawny at the base, nearly twice the length of the third joint, its third joint stout for less than one-fourth of the length, very slender from thence to the tip: chest ferruginous, clothed with short black hairs; abdomen obconical, green, smooth, shining, ferruginous at the base, a little shorter than the chest: legs tawny; feet nearly black; foot-cushions pale tawny: wings slightly tawny, darker at the base and on the fore boders, the latter adorned with four brown marks; first mark near the base, small and indistinct; second and third bordering the middle and lower cross-veins; fourth blackish brown, extending along the fore border from three-fourths of the length to the tip; wing-ribs and veins tawny; veins darker on the spots of the wings; fourth longitudinal vein nearly straight, joining the border at the tip of the wing; lower cross-vein with an extremely slight outward curve, forming a very obtuse angle with the fourth longitudinal vein; scales tawny. Length of the body 5 lines; of the veins 12 lines.

a. Philippine Isles. From Mr. Cuming's collection.

CHROMATOMYIA jucunda, n. s. *Ferruginea, scutello fulvo, abdomine purpureo-cyaneo, antennis ferrugineis, pedibus fulvis, tarsis apice nigris, alis limpidis apice fuscis, basi costa venarumque marginibus flavis.*

Body ferruginous: head thickly clothed with short tawny hairs; face yellow: mouth ferruginous; palpi tawny, beset with black bris-

tles: eyes pitchy; feelers ferruginous, about half the length of the face; third joint linear, rounded at the tip, full twice the length of the second; bristle black, tawny towards the base, nearly thrice the length of the third joint, rather stout for about one-sixth of its length, very slender from thence to the tip: scutcheon tawny: abdomen obconical, purplish-blue, smooth, shining, a little shorter than the chest: legs tawny; feet black towards the tips; foot-cushions dull tawny: wings colourless, yellow at the base, on the fore borders and along the borders of the veins; tips brown; middle cross-vein slightly clouded with brown; wing-ribs and veins tawny; fourth longitudinal vein almost straight, joining the border a little below the tip of the wing; lower cross-vein brown, slightly curved outward; scales yellowish. Length of the body 4 lines; of the wings 10 lines.

a. Mosquito River, New Holland. Presented by the Earl of Derby

CHROMATOMYIA Vella, n. s. *Ferruginea, scutello fulvo, abdomine purpureo-cyaneo, apice cyaneo-viridi, antennis pedibusque ferrugineis, femoribus posticis piceis, alis limpidis, fusco trimaculatis, basi costa venarumque marginibus flavis.*

Body ferruginous: head thickly clothed with short tawny hairs; face and mouth ferruginous; palpi tawny, beset with black bristles: eyes pitchy: feelers ferruginous, about half the length of the face; third joint linear, rounded at the tip, full twice the length of the second; bristles black, tawny towards the base, nearly thrice the length of the third joint; rather stout for about one-sixth of its length, very slender from thence to the tip: scutcheons tawny: abdomen obconical, purplish blue, smooth, shining, a little shorter than the chest, bluish green towards the tip: legs ferruginous, clothed with short tawny hairs; claws black; hind thighs pitchy: wings colourless, yellow at the base, on the fore borders, and along the veins; fore borders adorned with three brown spots; the first large, descending from the middle of the fore border into the disk; the second small, half-way between the first and the tip, which is clouded with the third; middle cross-vein slightly clouded with brown; wing-ribs and veins tawny; veins pitchy towards the tips; fourth longitudinal vein almost straight, joining the border a little below the tip of the wing; lower cross-vein brown, slightly curved outward; scales yellowish. Length of the body 4 lines; of the wings 10 lines.

a. Musquito River, New Holland. Presented by the Earl of Derby.

CHROMATOMYIA hilaris, n. s. *Ferruginea, thoracis disco nigro, abdomine viridi-cyaneo, antennis fulvis, articulo 3° pedibusque ferrugineis, tarsis apice nigris, alis limpidis fusco quadrimaculatis basi fulvis.*

Head ferruginous, thinly clothed with short tawny hairs, tawny in front; face yellow: eyes pitchy; mouth and palpi black: feelers tawny, shorter than the face; third joint ferruginous, more than twice the length of the second, pitchy towards the tip; bristle black, tawny towards the base, full twice the length of the third joint, rather stout for about one-sixth of its length, very slender from thence to the tip: chest black, clothed with short tawny hairs; sides, breast, and scutcheon ferruginous; sides of the scutcheon purplish-blue: abdomen obconical, greenish blue, smooth, shining, a little shorter than the chest: legs ferruginous, clothed with short tawny hairs; feet black towards the tips; foot-cushions pale tawny: wings colourless, tawny at the base; fore borders adorned with four brown spots; the first irregular, near the base; second descending towards the disk; third like a dot; fourth at the tip; wing-ribs tawny; veins black, tawny at the base: fourth longitudinal vein almost straight, joining the border just below the tip of the wing, forming a slightly obtuse angle with the lower cross-vein, which is nearly straight; scales white. Length of the body 4 lines; of the wings 8 lines.

a. New Holland? Presented by the Entomological Club.

CHROMATOMYIA apicalis, n. s. *Ferruginea, thoracis disco abdomineque viridi, hujus apice scutelloque fulvis, antennis pedibusque fulvis, femoribus tibiisque nigro maculatis, alis limpidis, basi costaque subfulvis.*

Head ferruginous, with black marks on the crown, tawny about the peristoma; face large, yellow: eyes pitchy: sucker black; palpi tawny, beset with long black bristles: feelers tawny, a little shorter than the face; third joint full four times the length of the second, nearly linear, slightly tapering from the base to the tip which is rounded: bristle black, tawny at the base, nearly twice the length of the third joint: chest green, clothed with short tawny hairs; sides and breast ferruginous; scutcheon tawny, armed with black bristles, adorned with a green spot in the middle of the fore border: abdomen obconical, green, smooth, shining, clothed with tawny hairs, not longer than the chest, tawny at the tip: legs tawny, clothed with tawny hairs; a black mark on each thigh; knees pitchy; two black marks on each shank whose tips are also black; tips of feet ferruginous; foot-cushions pitchy; claws tawny with black tips: wings long, colourless, with a slight tawny tinge at the base, and along

the fore border; wing-ribs tawny; veins pitchy, tawny towards the base; middle cross-vein stout; fourth longitudinal vein nearly straight, forming a slightly obtuse angle with the lower cross-vein, joining the border hardly below the tip of the wing; lower cross-vein straight for half the length, and having thence to the tip a hardly perceptible outward curve; scales whitish, with yellow borders Length of the body 3—4 lines; if the wings 7—9 lines.

a. West Australia. From Mr. Clifton's collection.

CHROMATOMYIA læta, n. s. *Cyaneo-viridis, capite ferrugineo, abdomine viridi, antennis ferrugineis, articulo 3° nigro, pedibus ferrugineis, femoribus anticis viridibus, tarsis anticis nigris, alis subcinereis basi costaque subfulvis.*

Head ferruginous, pitchy and roughly punctured on the crown, tawny in front, thinly clothed with tawny hairs; a few black bristles on the crown: eyes pitchy: sucker black, clothed with tawny hairs; palpi black, beset with tawny hairs: feelers ferruginous, nearly as long as the face; third joint black, about thrice the length of the second: chest and breast bluish green, clothed with short tawny hairs: chest shagreened; sides of the hinder part and the scutcheon beset with a few black bristles: abdomen obconical, green, shagreened, not longer than the chest, clothed with short tawny hairs: legs ferruginous; feet darker; claws black; foot-cushions pale tawny; fore thighs green; fore-shanks dark ferruginous; fore feet black: wings slightly gray, with a tawny tinge at the base and along the fore borders; wing-ribs tawny; veins black, tawny towards the base; cross-veins clouded with brown; fourth longitudinal vein nearly straight, but slightly bent at its junction with the cross-vein, joining the border at the tip of the wing; lower cross-vein straight for half the length, very slightly curved outward from thence to the tip; scales somewhat tawny. Length of the body 2¼ lines; of the wings, 5 lines.

a. New Holland. Presented by the Haslar Hospital.

CHROMATOMYIA? bicolor, n. s., fem. *Cyanea, angusta, viridi et purpureo varia, capite fulvo, antennis piceis, pedibus nigris, alis limpidis fusco trimaculatis.*

Body narrow, clothed with black hairs, and with a few black bristles: head tawny; disk of the crown pitchy; epistoma not prominent; sides of the face without bristles: eyes pitchy; fore part nearly flat; its facets larger than those elsewhere: sucker black: feelers pitchy, as long as the face; third joint linear, slender, rounded at the tip, full six times the length of the second joint: chest

elliptical: chest and abdomen deep blue tinged with purple and green; abdomen long-obconical, a little longer and narrower than the chest: legs black, clothed with short black hairs: wings colourless, pale brown at the base, adorned with three brown spots, the first extends from the fore border into the disk beyond the little cross-vein, the second covers the lower cross-vein, the third occupies the tip; wing-ribs and veins black; little cross-vein very oblique; lower cross-vein slightly curved outward near the base, straight from thence to the tip; scales small, pale yellow; poisers black. Length of the body 4 lines; of the wings 9 lines.

a. Para. Presented by Gordon Graham, Esq.

CHROMATOMYIA? distincta, n. s., fem. *Cinereo-nigra, lata, capite ferrugineo, pedibus alisque nigris.*

Body broad: head ferruginous, large on each side of the peristoma; crown prominent in front; epistoma not prominent; sides of the face without bristles: eyes small, pitchy, very convex; facets extremely small: sucker black: chest and abdomen dull black tinged with gray: chest clothed with short black hairs, shining on each side of the front: abdomen obconical, as long and as broad as the chest: legs black, clothed with short black hairs and bristles; foot-cushions pitchy: wings black; wing-ribs and veins black; third longitudinal vein slightly angular at its junction with the lower cross-vein; scales small? poisers black. Length of the body 3½ lines; of the wings 6 lines.

a. Monte Video. Presented C. Darwin, Esq.

ZONA, n. g.

Sucker very large: palpi short: feelers much shorter than the face; third joint twice the length of the second; bristle downy: chest lengthened and tapering in front: abdomen short and broad: legs rather long: wings long and narrow; middle cross-vein very oblique, tip cross-vein forming a slightly obtuse angle with the longitudinal vein.

ZONA violacea. Tephritis violacea, *G. R. Gray, Griffith's Cuv. Anim. King. Ins.* ii. *pl.* 128, *f.* 1.

a. ———?

Zona pictipennis, n. s., fem. *Nigra, capite ferrugineo, abdomine cyaneo, palpis fulvis, antennis ferrugineis, pedibus nigris, alis subcinereis ad costam fuscis flavoque trimaculatis, disco fasciis duabus fuscis.*

Head bright ferruginous; epistoma slightly prominent; sides of the face without bristles: eyes black; fore part convex, its facets a little larger than those elsewhere: sucker pitchy, large, tawny at the tip; palpi tawny, beset with a few black bristles: feelers ferruginous, much shorter than the face; third joint tapering from the base to the tip which is conical, about twice the length of the second joint; bristle downy, twice the length of the third joint: chest black, lengthened in front into a neck which is ferruginous: abdomen dark blue, but little longer than broad, shorter and much broader than the chest: legs black, rather long, clothed with short black hairs and bristles; foot-cushions pitchy; fore thighs armed beneath with five stout spines: wings gray, long and narrow, dark brown and adorned with three yellow spots along the fore border; two oblique and irregular brown stripes pass from the fore border towards the hind border, where they are widened and joined together; wing-ribs and veins pitchy; third longitudinal vein not extending beyond the slightly obtuse angle which it forms with the tip cross-vein, the latter is much curved inward near the base, but almost straight from thence to the tip, which joins the border at the tip of the wing; little cross-vein very oblique; lower cross-vein straight along half the length from the base, slightly curved outward from thence to the tip; scales large, white with pale yellow borders; poisers black. Length of the body 7 lines; of the wings 16 lines.

a. Nepaul. From the Hardwicke bequest.
b. ——— ? From Mr. Children's collection.

Trigonosoma. *G. R. Gray.*

Trigonosoma perilampiformis, *G. R. Gray, Griffith's Cuv. Anim. Kingd. Ins.* ii. *pl.* 128, *f.* 2.
a. ——— ?

Idia *Meigen.*

Group I. Idia, *Desv. Essai Myod.* 419.

Idia xanthogaster, *Wied. Nov. Dipt. Gen.* 21. *Auss. Zweif.* ii. 349, 2. *Desv. Essai Myod.* 420, 1. *Jenson, Bull. Soc. Imp. Nat. Mosc.* iv. 339. iv. 339.
a. North Bengal. From Miss Campbell's collection.
b. ——— ?

IDIA Procula, n. s., fem. *Nigra, capite flavo-albo, thorace piceo, vittis quatuor cinereis, pectore chalybeo cupreoque vario, abdomine cupreo-nigro, lateribus cano maculatis, ventre basi fulvo, antennis pedibusque ferrugineis, femoribus nigris, alis sublimpidis basi subfuscis.*

Body black, clothed with black hairs and bristles: head adorned with a yellowish white covering, clothed beneath with white hairs; epistoma prominent; face hoary, its sides without bristles: eyes dark red: sucker black, clothed towards the tip with tawny hairs; palpi tawny, black and beset with black bristles towards the tip: feelers dark ferruginous, nearly as long as the face; third joint flat above, slightly convex beneath, truncated at the tip; bristle black, tawny towards the base, more than twice the length of the third joint: chest pitchy, adorned with four indistinct gray stripes; sides adorned with a pale tawny covering, which also adorns most part of the breast; the latter is tinged with steel and copper-colour; border of the scutcheon hoary: abdomen black, with a slight coppery tinge, nearly elliptical, a little broader and shorter than the chest; a large hoary spot on each side of every segment; underside tawny towards the base: legs black, clothed with black hairs and bristles; shanks and feet ferruginous; claws black; foot-cushions tawny: wings nearly colourless, pale brown at the base; wing-ribs pitchy; veins black, pitchy at the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, slightly waving from thence to the tip, joining the border just above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; scales pale yellow. Length of the body 3½ lines; of the wings 6 lines.

a. Africa? From Mr. Children's collection.
b. ——— ?

IDIA fasciata, *Meig. Dipt.* v. 9, 1, *pl.* 42, *f* 14—17. *Desv. Essai Myod.* 422, 6. *Macq. Hist. Nat. Dipt.* ii. 246, 1. I. lunatata, var?
a. France.

IDIA lunata, *Wied. Auss. Zweif.* ii. 351, 6. Musca lunata, *Fabr. Syst. Antl.* 292, 44. *Loew, Ent. Zeit. Stettin* v. 19, 1.
a. ——— ?

Group II. Rhinia, *Desv. Essai Myod.* 422.

IDIA testacea, *Macq. Hist. Nat. Dipt.* ii. 246, 3. Rhinia testacea, *Desv. Essai Myod.* 423, 1.
a. Isle of France.

IDIA australis, fem. *Nigra, subtus flava, abdomine ferrugineo, palpis nigris, antennis ferrugineis, pedibus nigris, alis subcinereis ad costam fulvis apice fuscis.*

Head black and shining above, pale yellow, and clothed with pale yellow hairs beneath, ferruginous on each side of the peristoma, which is slightly prominent; sides of the face without bristles: eyes dark red; fore part flat, its facets not larger than those elsewhere: sucker and palpi black: feelers ferruginous, much shorter than the face; third joint linear, conical at the tip, full four times the length of the second; bristle tawny: chest black, dull, clothed with short black hairs: breast pale yellow, clothed with pale yellow hairs: abdomen pale ferruginous, elliptical, shining, a little broader but not longer than the chest, darker above towards the tip: legs black, clothed with black hairs and bristles; feet towards the base and foot-cushions pitchy: wings slightly gray, tawny along the fore borders, brown at the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, joining the third longitudinal vein at a short distance from its tip; lower cross-vein straight at the base, slightly curved outward from thence to the tip; wing-ribs and veins tawny; scales pale yellow; poisers tawny. Length of the body 3½—4 lines; of the wings 6—7 lines.

a. New Holland. Presented by the Haslar Hospital.
b. ——— ?

Group III. Cosmina, *Desv. Essai Myod.* 423.

IDIA punctulata, *Wied. Nov. Dipt. Gen.* 22. *Dipt. Exot.* ii. 348, 1. *Jenson, Bull. Soc. Imp. Nat. Mosc.* iv. 341. Musca punctata, *Wied. Zool. Mag.* iii. 21, 30. Cosmina fuscipennis, *Desv. Essai Myod.* 423, 1.

a. South Africa. Presented Dr. A. Smith.

Group IV. Rhyncomya, *Desv. Essai Myod.* 424.

IDIA felina. Musca felina? *Fabr.* M. ruficeps? *Fabr. Syst. Antl.* 299, 77. M. concinna? *Germ. Faun.* x. 21. Tachina ruficeps, *Meig. Dipt.* iv. 319, 137. Tachina columbina, *Meig. Dipt.* iv. 319. Rhyncomya felina, *Desv. Essai Myod.* 424, 1. R. ruficeps, *Macq. Hist. Nat. Dipt.* ii. 247, 1. B. columbina? *Macq. Hist. Nat. Dipt.* ii. 248. Idia concinna, *Loew, Ent. Zeit. Stett.* v. 20, 2. I. speciosa? *Loew, Ent. Zeit. Stett.* v. 23, 3.
a. Albania. From Mr. Walker's collection.
b. ——— ?

IDIA obsoleta, *Wied. Auss. Zweif.* ii. 355, 12.
a. China. Presented by G. T. Lay, Esq.

IDIA Chrysippe, n. s., fem. *Viridis, micans, thoracis lateribus cyaneo purpureoque variis, scutello purpureo, abdomine aureo-viridi, antennis palpisque fulvis, pedibus ferrugineis, tarsis piceis, alis limpidis basi fulvis.*

Body beset with a few black hairs and bristles: head emerald green, slightly covered with white bloom, tawny on the crown, paler in front, adorned with golden bloom on each side of the face, clothed beneath with short yellow hairs; a broad pitchy furrowed stripe fringed with bristles between the eyelets and the feelers: sides of the face fringed with bristles at the base; epistoma very prominent, pale ferruginous, green towards the base; eyes dark red, convex; all the facets small: sucker black, pitchy and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers tawny, shorter than the face; third joint more than twice the length of the second, brown above: chest green, bluish and tinged with purple on each side; scutcheon, excepting the base, intense purple: abdomen golden-green, obconical, shorter than the chest, bluish green towards the base: legs ferruginous; feet pitchy; foot-cushions tawny: wings colourless, tawny at the base; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein a little without the perpendicular to the fourth longitudinal vein, with which it is rounded at the junction, curved outward at the base, and having a slight inward curve from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two long and almost imperceptible curves, the lower inward, the upper outward; scales slightly gray, with pale tawny borders. Length of the body 4½ lines; of the wings 10 lines.

a. ———?

MESEMBRINA, *Meigen.*

MESEMBRINA meridiana, *Meig. Dipt.* v. 11, 1, *pl.* 42, *f.* 25. *Desv. Essai Myod.* 401, 1. *Macq. Hist. Nat. Dipt.* ii. 274, 2, *pl.* 16, *f.* 19. *Zett. Ins. Lapp.* 652, 2. *Dipt. Scand.* iv. 1343, 2. Musca meridiana, *Linn. Syst. Nat.* ii. 989. *Faun. Suec.* 1827. *Gmel. Ed. Syst. Nat.* i. 5, 2838, 63. *Fabr. Sp. Ins.* ii. 435, 3. *Ent. Syst.* iv. 312, 2. *Syst. Antl.* 284, 3. *Deg. Ins.* vi. 55, 2. *Schrank, Ins. Austr.* 454, 922. *Faun. Boic.* iii. 2480. *Panz. Faun. Germ.* x. 17. *Fall. Musc.* 51, 30. *Reaum. Ins.* vi. *pl.* 12, *f.* 12, *pl.* 26, *f.* 6—10. *Harr. Ex.* 37, *pl.* 9, *f.* 9. *Geoff. Ins.* ii. 495, 5. *Schæff. Icon. pl.* 108, *f.* 7? *Herbst. Gem. Nat.* viii. 108, 11, *pl.* 340. *Stew. El.* ii. 257. *Turt.* iii. 597.

Don. xiv. 16, *pl.* 471, *f.* 2. *Wood, Linn. Gen. Ins.* ii. 90 *pl.* 65.
a. England.
b. France.
c. ———? From Mr. Children's collection.

MESEMBRINA Latreillii, *Desv. Essai Myod.* 401, 2.
b. Nova Scotia. From Lieut. Redman's collection.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

MESEMBRINA mystacea, *Meig. Dipt.* v. 12, 2, *pl.* 42, *f.* 26. *Desv. Essai Myod.* 401, 3. *Macq. Hist. Nat. Dipt.* ii. 273, 1. *Zett. Ins. Lapp.* 651, 1. *Dipt. Scand.* iv. 134, 1. Musca mystacea, var. *a. Linn. Faun. Suec.* 1793. *Fall. Musc.* 50, 29. M. bombylius, *Deg. Ins.* vi. 58, 1, *pl.* 8, *f.* 1—3. M. bombyloides, *Herbst. Gem. Nat.* viii. 106, 6, *pl.* 340. Syrphus apiarius, *Fabr. Ent. Syst.* iv. 280, 9. S. apiformis, *Panz. Faun. Germ.* 91, 20. Eristalis apiarius, *Fabr. Syst. Antl.* 231, 1.
a. Lapland. Presented by J. R. Crowe, Esq.
b. Alten, Finmark. Presented by F. Walker, Esq.
c. Finmark. From Mr. Children's collection.
d. ———? From Mr. Children's collection.
e. Haparanda. From Mr. Walker's collection.
f. Furea, Switzerland. From Mr. Walker's collection.
g. ———?

SARCOPHAGA, *Meigen.*

Group I. Peckia, *Desv. Essai Myod.* 335.

Group II. Theria, *Desv. Essai Myod.* 337.

Group III. Myophora, *Desv. Essai Myod.* 337.

* Fulvo terminatæ.

SARCOPHAGA jejuna, n. s., fem. *Nigra, capite aureo micante, thoracis vittis quatuor scutellique margine pallidè fulvis, illius lateribus aureo vittatis, abdominis apice fulvo, ventre cano vittato, antennis pedibusque nigris, illorum articulo 3° piceo, pedibus nigris, alis subcinereis basi et ad costam fuscis.*

Body black, clothed with black hairs and bristles: head bright gold colour; face paler, its sides black, fringed at the base with bristles; hinder head dull pale tawny: epistoma hardly prominent: eyes pitchy: sucker black, pitchy and clothed with tawny hairs to-

wards the tip; palpi black, beset with black bristles: feelers black, shorter than the face; third joint pitchy, rather deep, very slightly convex above and beneath, rounded at the tip; bristle black, more than twice the length of the third joint, having a very short joint at the base, feathered for full half its length: chest adorned with four pale tawny stripes, and on each side with a golden stripe; breast partly clothed with dull pale tawny bloom; scutcheon and sides of the chest armed with black bristles; sides and hind border of the scutcheon pale tawny: abdomen oval, deep black, clothed with short black hairs, armed towards the tip with a few black spines, rather shorter but not broader than the chest, bright tawny at the tip, and having a hoary stripe along the whole length beneath: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings slightly gray, brown at the base and along nearly half the length of the fore borders; wing-ribs and veins black; shoulders yellow; middle cross-vein clouded with brown; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip; lower cross-vein very slightly curved inward till near the tip, where it is more slightly curved outward; scales dark gray, with brown borders. Length of the body 8 lines; of the wings 16 lines.

a. Venezuela. From Mr. Dyson's collection.

SARCOPHAGA redux, n. s., fem. *Nigra, cano vestita, thoraci vittis tribus cinereis, abdomine maculis canis quadrivittato, apice pallidè rufo, antennis piceis, pedibus nigro-ferrugineis, tarsis nigris, alis limpidis.*

Body black, clothed with black hairs and bristles: head adorned with a hoary covering; a black furrowed stripe fringed with bristles between the eyelets and the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes bright red: sucker dark tawny: palpi black, beset with black bristles: feelers pitchy, a little shorter than the face; third joint linear, truncated at the tip, nearly thrice the length of the second joint: chest and breast hoary: chest adorned with three gray indistinct stripes, the middle one slender: abdomen oval, gray, a little broader but not longer than the chest, adorned with hoary reflections, which are disposed on each side in two rows of large irregular spots, the middle being occupied by a slender black stripe; tip pale red: legs black, clothed with black hairs and bristles; thighs and shanks very dark ferruginous, covered with gray, which has a tawny tinge; foot-cushions pitchy: wings colourless; wing-ribs tawny; veins pitchy, tawny towards the base; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, much curved inward near the base, straight

from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, rather more distinct than the other, which is outward; scales white, with pale yellow borders. Length of the body 4½ lines; of the wings 9 lines.

a. Cape. Presented by the Earl of Derby.

SARCOPHAGA prædo, n. s., fem. *Nigra, capite flavo-fulvo, thoraci vittis quatuor canis, abdomine maculis albis quadrivittato, apice rufo, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head dark tawny above, yellow in front, clothed beneath with pale yellow hairs; a black stripe fringed with bristles between the eyelets and the feelers; epistoma slightly prominent; sides of the face fringed with bristles at the base; eyes red: palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint full thrice the length of the second flat above, slightly convex beneath, rounded at the tip; bristle about twice the length of the third joint, feathered with long hairs till near the tip: chest adorned with four hoary stripes: breast mostly gray: abdomen obconical, a little broader, but not longer than the chest, adorned with white reflections, which are disposed in four rows of irregular spots; tip red with a yellow covering: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; shoulders yellow; wing-ribs and veins black; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, slightly curved inward at the base, almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales whitish with yellowish white borders. Length of the body 5½ lines; of the wings 10 lines.

a. ——— ?

SARCOPHAGA vorax, n. s., fem. *Nigra, capite albo, thoraci vittis quatuor scutello pectoreque canis, abdomine maculis fulvo-canis quadrivittato, apice fulvo, antennis pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head adorned with a white silky covering; a black stripe fringed with bristles between the eyelets and the feelers: eyes pitchy: sucker and palpi black, the latter beset with black bristles: epistoma not prominent: feelers black, a little shorter than the face; third joint more than four times the length of the second, nearly linear, but slightly

decreasing in depth from the base to the tip, which is slightly truncated; bristle more than twice the length of the third joint, feathered for less than two-thirds of its length: chest tinged with gray, adorned with four broad hoary stripes, the middle pair double; scutcheon hoary with a black stripe in the middle, and a tawny tinge along the hind border; breast hoary: abdomen oval, a little broader but not longer than the chest, adorned with hoary reflections which have a very slight tawny tinge, and are disposed on each side in two rows of large irregular spots, the middle being occupied by a slender black stripe; tip tawny: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray: wings nearly colourless; shoulders yellow; wing-ribs pitchy; veins black, pitchy at the base; scales white, with yellowish-white borders. Length of the body 5 lines; of the wings 10 lines.

a. Cape.

SARCOPHAGA Thornax, n. s., fem. *Cinerea, capite aureo; thorace, vittis tribus flavo-fuscis ornato, pectore cano, abdomine fulvo-cano apice fulvo, palpis antennisque nigris, pedibus nigro-ferrugineis, tarsis nigris, alis subcinereis.*

Body clothed with black hairs and bristles: head bright golden, gray beneath and behind; a black stripe between the eyelets and the feelers; epistoma not prominent: face hoary, its sides fringed with black bristles along half the length: eyes red; fore part flat, its facets larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs at the tip; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, rounded at the tip, full four times the length of the second: bristle feathered for more than half the length from the base: chest gray, adorned with three yellowish brown stripes: breast hoary; abdomen hoary, obconical, a little broader, but not longer than the chest, adorned with tawny reflections which are most apparent towards the tip, the latter is tawny and covered with golden bloom: legs dark ferruginous, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings slightly gray; shoulders pale yellow: wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a right angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, straight from thence to the tip; scales white with pale yellow borders. Length of the body 3½ lines; of the wings 8 lines.

a. ——— ?

* Rufoterminatæ.

† Fulvovittatæ.

*Sarcophaga immanis, n. s., fem. *Nigra, capite aureo, thoracis vittis quatuor, scutellique margine fulvis, abdominis segmentorum marginibus anticis subcanis, apice fulvo vestito, antennis nigropiceis, pedibus nigris, alis subcinereis basi fulvis.*

Body black, clothed with short black hairs: head golden thickly clothed beneath with pale tawny hairs; a pitchy stripe fringed with bristles between the eyelets and the feelers, sides of the face pitchy, fringed with bristles for more than half the length, the bristles increasing in length to the base; epistoma tawny, rather prominent; eyes dark red, fore part flat, its facets a little larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi pitchy with ferruginous tips, beset with black bristles: feelers pitchy, a little shorter than the face; bristle pitchy, feathered nearly to the tip, much longer than the third joint: chest adorned with four tawny stripes which are partly gilded: breast covered with tawny bloom; scutcheon and sides of the chest armed with black spines; sides and hind border of the scutcheon pale tawny: abdomen obconical, not longer, but much broader than the chest, armed with black spines towards the tip, which is covered with tawny bloom; fore borders of the segments somewhat hoary: legs black, clothed with short black hairs; knees ferruginous; shanks armed on the outer side with black spines; foot-cushions pale tawny: wings slightly gray, tawny at the base; shoulders yellow; wing-ribs tawny; veins pitchy, black towards the tips; tip cross-vein forming a very acute angle with the fourth longitudinal vein, much curved inward at the base, straight from thence to the tip; lower cross-vein nearly straight till towards the tip, where it is curved outward, very slightly clouded with brown; scales whitish, with pale tawny borders. Length of the body 9 lines; of the wings 18 lines.

a. Honduras. From Mr. Dyson's collection.

Sarcophaga cruentata, *Meig. Dipt.* v. 28, 23. *Macq. Hist. Nat. Dipt.* ii. 225, 6. *Zett. Dipt. Scand.* iv. 1298, 18. S. ruficauda, *Zett. Ins. Lapp.* 650, 4.

a. ——— ?

Sarcophaga hæmorrhoa, *Meig. Dipt.* v. 29, 24. *Macq. Hist. Nat. Dipt.* ii. 225, 7. *Zett. Dipt. Scand.* iv. 1298, 19. Myophora hæmorrhoa, *Desv. Essai Myod.* 344, 21.

a. France?

SARCOPHAGA ingens, n. s., fem. *Nigra, capite aureo, thoraci vittis quatuor, scutello pectoreque fulvis, abdomine maculis cinereis quadrivittato, apice fulvo, antennis piceis, articulo 3° basi ferrugineo, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with a gold covering, clothed beneath with yellow hairs; a black stripe between the eyelets and the feelers; epistoma tawny, not prominent; sides of the face fringed with bristles at the base: eyes red: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi black, beset with black bristles: feelers pitchy, about two-thirds of the length of the face; third joint ferruginous at the base, slightly convex above and beneath, almost truncated at the tip; bristle black, full twice the length of the third joint, feathered for more than two-thirds of its length: chest adorned with four pale tawny stripes; border of the scutcheon, and most part of the breast pale tawny: abdomen obconical, a little broader, but not longer than the chest, adorned with gray reflections which are disposed in four rows of large irregular spots; penultimate segment ferruginous towards the tip; last segment tawny: legs black, clothed with black hairs and bristles; thighs slightly tinged with gray; foot-cushions tawny: wings slightly gray; shoulders yellow; wing-ribs pitchy; veins black, pitchy at the base; tip cross-vein forming a little less than a right angle with the fourth longitudinal vein, much curved inward at base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, less distinct than the other, which is outward; scales dingy white with pale yellow borders. Length of the body 5½ lines; of the wings 11 lines.

a. ——— ? From Mr. Children's collection.

SARCOPHAGA musca. Myophora musca, *Desv. Essai Myod.* 363, 70.

a. New Holland. Presented by the Haslar Hospital.

SARCOPHAGA lineata, *Meig. Dipt.* v. 26, 17. *Zett. Dipt. Scand.* iv. 1294, 14. Musca lineata, *Fall. Musc.* 40, 5.

a. France?

SARCOPHAGA inops, n. s. fem. *Nigra, capite aureo, thoraci vittis quatuor auratis, scutelli margine postico pectoreque canis, abdomine cyaneo-nigro maculis canis quadrivittato, apice obscurè rufo, antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles, head adorned with a bright golden covering; a black stripe fringed with bristles

between the eyelets and the feelers; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes red: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint nearly linear, flat above, very slightly convex beneath, rounded at the tip, more than thrice the length of the second joint; bristle more than twice the length of the third joint, feathered till near the tip: chest adorned with four gilded stripes, these become paler as they approach the scutcheon which has a hoary border: breast hoary, golden on each side: abdomen oval, bluish black, a little broader but hardly longer than the chest; each segment adorned with four large hoary spots, underside grayish; tip dark red: legs black, clothed with black hairs and bristles; thighs slightly gray; foot-cushions pitchy: wings gray; shoulders yellow; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming an acute angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, rather more distinct than the other, which is outward; middle cross-vein clouded with brown; scales white, with pale yellow borders. Length of the body 6 lines; of the wings 11 lines.

a. ———? From Mr. Children's collection.

SARCOPHAGA stimulans, n. s., fem. *Nigra, capite supra aureo, thoraci vittis quatuor scutello lateribus pectoreque canis, abdomine maculis canis quadrivittato, apice pallidè rufo, antennis pedibusque nigris, illorum articulo 3° apice rufo, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with a pale golden covering, hoary behind, beneath and on the face, whose sides are fringed with bristles at the base; a gray stripe between the eyelets and the feelers; epistoma tawny, not prominent: eyes red: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a littler shorter than the face; second joint red at the tip above; third more than twice the length of the second; flat above, very slightly convex beneath, truncated at the tip; bristle more than twice the length of the third joint, feathered for near two-thirds of its length: chest adorned with four hoary stripes; inner pair double; sides, scutcheon, and breast hoary: abdomen nearly elliptical, a little shorter and broader than the chest, adorned with hoary reflections, which are disposed in four rows of large irregular spots; tip pale red: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; foot-cushions pale tawny: wings slightly gray; shoulders and wing-ribs

tawny; veins black, tawny at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein slightly curved inward near the base, straight from thence to the tip; scales white. Length of the body 2¾ lines; of the wings 5½ lines.

a. North America? Presented by the Entomological Club.

SARCOPHAGA rapax, n. s., fem. *Nigra, capite argenteo, thoraci vittis quatuor lateribus scutello pectoreque cinereis, abdomine maculis fulvo-cinereis quadrivittato, apice ultimo rufo, antennis pedibusque nigris, tibiis piceis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with silvery lustre; a black stripe fringed with bristles between the eyelets and the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes pitchy: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, as long as the face; third joint about twice the length of the second, flat above, very slightly convex beneath, rounded at the tip; bristle more than twice the length of the third joint, feathered for two-thirds of its length: chest adorned with four gray stripes; sides, breast, and scutcheon gray: abdomen nearly elliptical, a little shorter and broader than the chest, adorned with gray reflections, which have a slight tawny tinge, and are disposed in four rows of large irregular spots; extreme tip red: legs black, clothed with black hairs and bristles; shanks pitchy; foot-cushions tawny: wings slightly gray; shoulders and wing-ribs tawny; veins black, pitchy at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, slightly curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight; scales white. Length of the body 1½ line; of the wings 3 lines.

a. North America? Presented by the Entomological Club.

SARCOPHAGA anxia, n. s., fem. *Nigra, capite aureo, thoraci vittis quatuor scutello pectoreque canis, abdomine maculis fulvo-canis quadrivittato, apice rufo, antennis pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head adorned with a golden covering; a black stripe fringed with bristles from the eyelets to the feelers; peristoma and epistoma ferruginous; epistoma not prominent: eyes red: sucker pitchy, clothed with taw-

ny hairs; palpi black, slender, beset with black bristles: feelers black, nearly as long as the face; third joint linear, obliquely truncated at the tip, thrice the length of the second joint; bristle more than twice the length of the third joint, feathered for less than two-thirds of its length: chest adorned with four hoary stripes; inner pair double; scutcheon and breast hoary: abdomen nearly elliptical, shorter and a little broader than the chest, adorned with hoary reflections, which have a slight tawny tinge, and are disposed in four rows of large irregular spots; tip pale red: legs black, clothed with black hairs and bristles; thighs tinged with gray; foot-cushions tawny: wings nearly colourless; shoulders tawny; wing-ribs pitchy; veins black; tip cross-vein forming a right angle with the fourth longitudinal vein, slightly curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, more distinct than the other, which is outward; scales white, with yellowish white borders. Length of the body 2¾—3 lines; of the wings 6—6½ lines.

a. North America? Presented by the Entomological Club.

SARCOPHAGA importuna, n. s., fem. *Nigra, capite cano, thoraci vittis quatuor lateribus scutello pectoreque canis, abdomine maculis fulvo-canis quadrivittato, apice rufo, antennis pedibusque nigris, tibiis piceis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head hoary; a gray stripe between the feelers and the eyelets; epistoma not prominent; sides of the face fringed with bristles at the base: eyes red: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, shorter than the face; tip of the second joint red above; third joint more than twice the length of the second, flat above, very slightly convex beneath, truncated at the tip; bristle much more than twice the length of the third joint, feathered for full two-thirds of its length: chest adorned with four hoary stripes, which occupy nearly the whole of the back; inner pair double; sides, scutcheon, and breast hoary: abdomen oval, a little broader but not longer than the chest, adorned with hoary reflections, which have a slight tawny tinge, and are disposed in four rows of large irregular spots; tip red: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; shanks pitchy; foot-cushions pale tawny: wings slightly gray; shoulders tawny; wing-ribs pitchy; veins black; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing;

lower cross-vein with two very slight curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 3 lines; of the wings 6 lines.

a. North America? Presented by the Entomological Club.

†† Cano-vittatæ.

SARCOPHAGA hæmorrhoidalis, *Meig. Dipt.* v. 28, 22. *Macq. Hist. Nat. Dipt.* ii. 224, 5. *Zett. Dipt. Scand.* iv. 1297, 17. *Harr. Ex. pl.* 25, *f.* 14. Musca, &c., *Geoff. Ins.* ii. 527, 65. M. hæmorrhoidalis, *Fall. Musc.* 39, 2. Myophora hæmorrhoidalis, *Desv. Essai Myod.* 340, 7.

a. England.
b. France.
c. Malta.
d. ———? From Mr. Children's collection.

SARCOPHAGA plinthopyga, *Wied. Auss. Zweif.* ii. 360, 10. *Walker, Linn. Trans.* xvii. 352, 57.

a. Demerara. Presented by J. S. Bowerbank, Esq.
b. Jamaica. From Mr. Gosse's collection.
c. Nova Scotia. From Lieut. Redman's collection.

SARCOPHAGA mauritiana, *Macq. Dipt. Exot.* ii. 2, 99, 5.

a. Isle of France.

SARCOPHAGA affinis, *Meig. Dipt.* v. 30, 27, *pl.* 43, *f.* 10. *Zett. Dipt. Scand.* iv. 1293, 13. Musca affinis, *Fall. Musc.* 39, 4. Agria punctata? *Desv. Essai Myod.* 377, 1. A. affinis? *Macq. Hist. Nat. Dipt.* ii. 229, 1, *pl.* 16, *f.* 3.

a. ———? From Mr. Children's collection.

SARCOPHAGA hæmatodes, *Meig. Dipt.* v. 29, 25. *Macq. Hist. Nat. Dipt.* ii. 225, 8. *Zett. Ins. Lapp.* 650, 5. *Dipt. Scand.* iv. 1299, 20. Musca hæmorrhoidalis, *Fall. Musc.* 39, 2. Genuina.

a. ———? From Mr. Children's collection.

SARCOPHAGA ruficornis, *Wied. Auss. Zweif.* ii. 358. Musca ruficornis, *Fabr. Ent. Syst.* iv. 314, 6. *Syst. Antl.* 287, 12. Myophora fulvicornis, *Desv. Essai Myod.* 341, 12.

a. North Bengal. From Miss Campbell's collection.
b. ———?

SARCOPHAGA Africa, *Wied. Anal. Entom.* 49, 103. *Auss. Zweif.* ii. 356, 3.

a. South Africa. Presented by Dr. A. Smith.
b. Sierra Leone. Presented by the Rev. D. F. Morgan.

SARCOPHAGA ægra, n. s., fem. *Nigra, capite flavo-albo vestito, thoraci vittis quatuor scutelloque fulvo-canis, pectore cinereo, abdomine maculis fulvo-canis quadrivittato, antennis pedibusque nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head adorned with a yellowish white covering, clothed beneath with hoary hairs; a black stripe fringed with bristles between the eyelets and the feelers; epistoma pale yellow, not prominent; sides of the face fringed with bristles at the base: eyes pitchy; fore part nearly flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, shorter than the face; third joint flat above, very slightly convex beneath, rounded at the tip; bristle more than twice the length of the third joint, feathered for two-thirds of its length: chest adorned with four hoary bands, which have a slight tawny tinge; inner pair single; scutcheon of the above-mentioned colour, slightly tawny at the tip; breast gray: abdomen oval, a little broader, but not longer than the chest, adorned with hoary reflections, which have a slight tawny tinge, and are disposed in four rows of irregular spots: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; foot-cushions pitchy: wings nearly colourless; shoulders yellow; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, much curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with three curves, the lower outward and very slight, the second distinct and inward, the third slight and outward; scales white, with pale tawny borders. Length of the body 5 lines; of the wings 10 lines.

a. Massachusetts. From Professor Sheppard's collection.

SARCOPHAGA collinaris. Myophora collinaris, *Desv. Essai Myod.* 345, 26.

a. France.

SARCOPHAGA, querula, n. s., mas. *Nigra, capitis lateribus ferrugineis, thoraci vittis quatuor scutello pectoreque cinereis, abdomine maculis canis quadrivittato, antennis piceis, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head ferruginous on each side of the face, with a hoary tinge beneath; disk of the face white, its sides fringed with bristles at the base; epistoma somewhat tawny, not prominent: eyes pitchy: sucker black, clothed towards the tip with tawny hairs; palpi black, beset with

black bristles: feelers pitchy, shorter than the face; third joint about thrice the length of the second, flat above, very slightly convex beneath, rounded at the tip; bristle black, feathered for near two-thirds of its length, about twice the length of the third joint: chest adorned with four gray stripes; middle pair double: scutcheon and breast gray; disk of the former black: abdomen oval, as long as the chest, but broader, adorned with hoary reflections, which are disposed in four rows of large irregular spots; tip red: legs black, clothed with black hairs and bristles; foot-cushions dark pitchy: wings slightly gray; shoulders tawny; wing-ribs pitchy; veins black; tip cross-vein forming a little less than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein almost straight, but having two very indistinct curves, the lower inward, the other outward; scales dingy white, with pale yellow borders. Length of the body 3—4 lines; of the wings 6—8 lines.

a. North America? Presented by the Entomological Club.

SARCOPHAGA avida, n. s., fem. *Nigra, capite aureo subtus cano, thoraci vittis quatuor scutelloque fulvo-canis, abdomine maculis canis fulvo auroque micantibus quadrivttato, apice rufo, antennis pedibusque nigris, alis limpidis.*

Body black, clothed with black hairs and bristles: head with a golden tawny covering, hoary beneath; a broad black slightly furrowed stripe between the eyelets and the feelers; face dark gray; its sides somewhat ferruginous, fringed with bristles at the base: sucker black, clothed with tawny hairs; palpi black, beset with black bristles; eyes red: feelers black, nearly as long as the face; second joint ferruginous at the tip; third linear, rounded at the tip, nearly twice the length of the second; bristle much more than twice the length of the third joint, feathered along half its length from the base: chest adorned with four broad hoary stripes, which have a tawny tinge; the middle pair double: breast mostly hoary; scutcheon hoary with a tawny tinge, armed with some long black spines: abdomen elliptical, shining, not longer than the chest, tessellated with four rows of irregular spots of hoary lustre, these spots are tawny in some parts, and have a golden hue on each side; tip of the abdomen bright pale red; underside hoary: legs black; clothed with black hairs and bristles; foot-cushions tawny; a slight hoary tinge on the thighs, and on the shanks: wings colourless; shoulders tawny; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, slightly curved inward near the base, almost straight

from thence to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein with a very short and slight outward curve at the base, this is succeeded by a long but hardly perceptible outward curve which continues till near the tip, where there is an equally slight outward curve; scales white, with pale yellow borders; poisers tawny. Length of the body 4 lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

SARCOPHAGA rediviva, n. s., fem. *Nigra, capite antico aureo, thoraci vittis quatuor canis, pectore cinereo, abdomine maculis fulvo-canis quadrivittato, apice rufo, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head golden in front; epistoma not prominent; sides of the face fringed with bristles at the base; eyes dark red: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint about thrice the length of the second, slightly increasing in depth from the base to the tip, which is rounded; bristle about twice the length of the third joint, feathered for near two-thirds of its length: chest adorned with four hoary stripes; inner pair double: breast gray; abdomen elliptical, a little longer than the chest, adorned with hoary reflections which have a tawny tinge, and are arranged in four rows of large irregular spots; tip red: legs black, clothed with black hairs and bristles; thighs tinged with gray; foot-cushions tawny: wings slightly gray; shoulders pale yellow; wing-ribs pitchy; veins black, pitchy at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, much longer than the other, which is outward; scales pale gray, with tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

SARCOPHAGA rabida, n. s., fem. *Nigra, capite pallidè aureo, thoraci vittis quatuor scutello pectoreque canis, abdomine maculis canis quadrivittato apice rufo, antennis piceis articulis 2° apice 3°que basi ferrugineis, pedibus nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head adorned with a pale gold covering; a black stripe fringed with bristles between the eyelets and the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes dark red: sucker

ferruginous, clothed with tawny hairs, palpi pitchy, beset with black bristles: feelers pitchy, shorter than the face; second joint at the tip, and third at the base, ferruginous; third linear, truncated at the tip, about twice the length the second; bristle tawny, black and stout for more than one-third of the length from the base, feathered till near the tip, almost twice the length of the third joint: chest adorned with four hoary stripes; the inner pair double, narrower than the outer pair; breast and scutcheon mostly hoary: abdomen nearly elliptical, a little broader, but not longer than the chest, tessellated with hoary reflections, which are disposed in four rows of irregular spots; underside mostly hoary; tip—especially beneath—bright red: legs black, clothed with black hairs and bristles; thighs tinged with gray; foot-cushions pale tawny: wings nearly colourless, with a pale yellow tinge at the base; shoulders and wing-ribs tawny; veins black, tawny towards the base: tip cross-vein forming a nearly right angle with the fourth longitudinal vein, slightly curved inward at the base, straight from thence to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward and hardly perceptible, the other outward; scales white. Length of the body 4 lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

SARCOPHAGA acerba, n. s., fem. *Nigra, capite supra subaureo, thoraci vittis quatuor scutello pectoreque canis, abdomine maculis pallidè fulvis quadrivittato, antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head adorned with very pale golden colour, hoary and partly clothed with pale yellow hairs beneath; a black stripe fringed with bristles between the eyelets and the feelers; face fringed with hairs at the base; epistoma tawny, slightly prominent: eyes dark red: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint flat above, very slightly convex beneath, truncated at the tip, more than twice the length of the second joint; bristle full twice the length of the third joint, stout for one-third, and feathered for two-thirds of its length: chest adorned with four hoary stripes, the inner pair double, narrower than the outer pair; scutcheon and breast mostly hoary: abdomen nearly elliptical, broader and a little longer than the chest, adorned with pale tawny reflections, which are disposed in four rows of irregular spots; tip red: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray; shoulders dark tawny: wing-ribs

pitchy; veins black, pitchy towards the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, almost straight or with a very slight outward inclination from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, longer and less distinct than the other, which is outward; scales gray, with dull tawny borders. Length of the body 3½ lines; of the wings 7 lines.

a. Nova Scotia. From Lieut. Redman's collection.

SARCOPHAGA aspera, n. s., fem. *Cinereo-nigra, thoraci vittis quatuor scutelloque canis, abdomine maculis canis ad apicem fulvescentibus quadrivittato, apice rufo, antennis piceis, articulo 3° basi ferrugineo, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head tinged beneath with grayish tawny; epistoma somewhat tawny, not prominent; sides of the face fringed with bristles at the base: eyes bright red: sucker black, clothed at the tip with tawny hairs; palpi black, club-shaped, beset with black bristles: feelers pitchy; third joint more than twice the length of the second, ferruginous at the base, flat above, very slightly convex beneath, rounded at the tip; bristle black, feathered for near two-thirds its length, more than twice the length of the third joint: chest adorned with four broad hoary stripes; the inner pair double; scutcheon hoary; breast gray: abdomen nearly elliptical, a little shorter and broader than the chest, adorned with hoary reflections, which have a tawny tinge towards the tip, and are disposed in four rows of large irregular spots; tip red: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; foot-cushions tawny: wings slightly gray; shoulders and wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a hardly obtuse angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein hardly curved outward at the base, straight from thence till near the tip, when it is rather more distinctly curved outward; scales dingy white, with pale yellow borders. Length of the body 2½—3½ lines; of the wings 5—7 lines.

Var. —? Eyes pitchy.

a. North America? Presented by the Entomological Club.

SARCOPHAGA violenta, n. s., fem. *Nigra, capite supra nigro-fusco, thorace vittato, abdomine cano-nigro tessellato, palpis nigris, antennis piceis basi ferrugineis, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head dark brown above, adorned with hoary lustre, clothed behind and beneath with hoary hairs; a pitchy stripe widening from the eyelets to the feelers; epistoma white, slightly prominent; face white, its sides beset with a few bristles along half the length: eyes pitchy; fore part flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi long, black: feelers nearly as long as the face; first and second joints ferruginous; third joint pitchy, linear, almost truncated at the tip, full four times the length of the second; bristle black, feathered for half the length, twice the length of the third joint: chest and breast hoary; chest striped: abdomen obconical, hoary, longer and narrower than the chest, adorned with a black stripe; hind borders of the segments also black; an interrupted black stripe on each side; a few black spines towards the tip, which is red: legs black, clothed with black hairs and bristles; thighs slightly hoary; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black; tip cross-vein forming a right angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, the other outward; scales whitish, with pale yellow borders. Length of the body 3½ lines; of the wings 7 lines.

a. Galapagos. Presented by C. Darwin, Esq.

*** Nigro-terminatæ.

† Fulvo-vittatæ.

SARCOPHAGA prædatrix, n. s., fem. *Nigra, capite thoracique vittis quatuor fulvis, pectore pilis fulvis vestito, abdomine fulvo tessellato, antennis pedibusque nigris, illorum articulo 3° piceo, alis subcinereis basi flavis.*

Body black, clothed with black hairs and bristles: head pale tawny, clothed in front and beneath with pale tawny hairs; a black stripe fringed with black bristles between the eyelets and the base of the feelers; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes dark red: sucker black, clothed with pale tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint pitchy, linear, rather deep, truncated at the tip, about thrice the length of the second joint; bristle pitchy, black at the base, almost twice the length of the third joint, feathered for more than half its length: chest with

four broad tawny stripes, the middle pair double; scutcheon and sides of the chest armed with black spines; breast clothed with short tawny hairs: abdomen oval, tawny, tessellated with darker colour, and having a slender black stripe on the back, a little shorter and broader than the chest: legs black, covered with dark tawny bloom, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray, yellow at the base; shoulders yellow; wing-ribs ferruginous; veins black, ferruginous towards the base; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower long and inward, the other short and outward; scales whitish, with pale tawny borders. Length of the body 5 lines; of the wings 10 lines.

a. Port Essington. From Mr. Gould's collection.

SARCOPHAGA varia, *Walk. Linn. Trans.* xvii. 353, 60.
a. Port Famine. Presented by the Entomological Club.

SARCOPHAGA gravis, n. s., fem. *Nigra, capite aureo-fulvo, thoraci vittis quatuor lateribus scutelloque fulvis, pectore fulvo-cinereo, abdomine fulvo tessellato, apice subtus ferrugineo, antennis pedibusque nigris, illorum articulo 3° piceo, alis cinereis.*

Body black, clothed with black hairs and bristles: head golden tawny, clothed beneath with pale tawny hairs; a black stripe fringed with bristles between the eyelets and the feelers; epistoma rather prominent; sides of the face fringed with bristles for half the length from the base: eyes dark red: sucker black, clothed with tawny hairs; palpi black, with ferruginous tips, beset with black bristles: feelers black, a little shorter than the face; third joint pitchy, less than twice the length of the second, linear, or very slightly decreasing in depth from the base to the tip, which is rounded; bristle pitchy, tapering, rather less than twice the length of the third joint, feathered till near the tip: chest adorned with four broad tawny stripes, the middle pair double; breast hoary, with a tawny tinge; scutcheon and sides of the chest tawny, armed with black spines: abdomen nearly elliptical, tawny with darker reflections, slightly tessellated, armed at the tip with black spines, broader but not longer than the chest; underside of the last segment ferruginous: legs black, clothed with black hairs and bristles; claws ferruginous at the base; foot-cushions tawny: wings gray; shoulders tawny; wing-ribs and veins pitchy; veins black towards the tips; tip cross-vein forming an acute angle with the fourth lon-

gitudinal vein, much curved inward near the base, almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein almost straight till near the tip, where it is slightly curved outward; scales slightly gray, with dark tawny borders. Length of the body 8 lines; of the wings 16 lines.

a. ——— ? Presented by Sir E. Belcher.

SARCOPHAGA striata, *Meig. Dipt.* v. 21, 7. *Macq. Hist. Nat. Dipt.* ii. 226, 12. *Zett. Dipt. Scand.* iv. 1286, 3. Musca striata. *Fabr. Ent. Syst.* iv. 315, 13. *Syst. Antl.* 288, 20. M. pernix? *Harr. Ex.* 84, *pl.* 25, *f.* 13. M. carnaria, var. *Fall. Musc.* 38, 1. Myophora striata, *Desv. Essai Myod.* 352, 49.

a. England.

SARCOPHAGA chrysostoma, *Wied. Auss. Zweif.* ii. 356, 2.

a. Brazil. Presented by Sir C. Stewart.

b. Brazil.

c. ——— ?

SARCOPHAGA impatiens, n. s., fem. *Nigra, capite aureo micante, thoraci vittis quatuor scutello pectoreque fulvis, scutello macula nigra, abdomine maculis cinereo-fulvis quadrivittato, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head with a very bright gold covering, clothed beneath with bright golden hairs; a black stripe between the eyelets, and the feelers; sides of the face fringed with bristles at the base: eyes red: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint about thrice the length of the second, dark ferruginous at the base beneath, rather deep, flat above, very slightly convex beneath, rounded at the tip; bristle tapering, less than twice the length of the third joint, its first joint obsolete; second joint very short; third joint feathered nearly to the tip: chest adorned with four broad tawny stripes; middle pair double, narrower than the outer pair; scutcheon tawny, with a large obconical black spot on its disk; breast duller tawny: abdomen obconical, a little broader but not longer than the chest, tessellated with grayish tawny reflections, which are disposed in four rows of irregular spots; underside gray: legs black, clothed with black hairs and bristles; thighs tinged with grayish tawny; foot-cushions pitchy: wings slightly gray; shoulders tawny; wing-ribs pitchy; veins black; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, where it is very slightly inclined

outward, joining the border at some distance above the tip of the wing; lower cross-vein very slightly curved inward from the base till near the tip, where it is more distinctly curved outward; scales gray, with tawny borders. Length of the body 6 lines; of the wings 11 lines.

a. New Holland. From Mr. Lambert's collection.

SARCOPHAGA misera, n. s., fem. *Nigra, capite aureo, thoraci vittis quatuor scutelloque albido-fulvis, huic macula nigra, pectore cinereo, abdomine maculis cinereo-fulvis quadrivittato, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with a gold covering, paler and clothed with pale tawny hairs beneath: a broad black stripe fringed with bristles between the eyelets and the feelers; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes dark red: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: chest adorned with four broad whitish tawny stripes, the inner pair double; scutcheon whitish tawny, with a large obconical black spot on the disk; breast hoary: abdomen obconical, a little broader but not longer than the chest, tessellated with grayish tawny reflections, which are disposed in four rows of irregular spots; underside gray: legs black, clothed with black hairs and bristles; thighs tinged with grayish tawny; foot-cushions pitchy: wings slightly gray; shoulders tawny; wing-ribs pitchy; veins black; tip cross-vein forming an acute angle with the fourth longitudinal vein, much curved inward at the base, straight from thence to the tip, where it is very slightly inclined outward, joining the border at some distance above the tip of the wing; lower cross-vein with three curves; first and third outward, very short, occupying the base and the tip of the vein; second inward, comprising the middle part, but hardly perceptible; scales gray, with tawny borders. Length of the body 4½—5 lines; of the wings 8—9 lines.

a. New Holland. Presented by J. Hunter, Esq.
b. New Holland.
c. West Australia. From Mr. Clifton's collection.

SARCOPHAGA tessellata, *Wied. Auss. Zweif.* ii. 363, 19. Musca tessellata, *Fabr. Syst. Antl.* 285, 8.
a. Monte Video. Presented by C. Darwin, Esq.

SARCOPHAGA Georgina, *Wied. Auss. Zweif.* ii. 357, 4.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Newfoundland. Presented by W. C. St. John, Esq.

†† Cano-vittatæ.

SARCOPHAGA carnaria, *Meig. Dipt.* v. 18, 6. *Macq. Hist. Nat. Dipt.* ii. 226, 10. *Zett. Ins. Lapp.* 649, 1. *Dipt. Scand.* iv. 1284, 1. Musca carnaria, *Linn. Syst. Nat.* ii. 990. *Faun. Suec.* 1832. *Gmel. Ed. Syst. Nat.* i. 5, 2840, 68. *Fabr. Sp. Ins.* ii. 436, 4. *Ent. Syst.* iv. 313, 3. *Syst. Antl.* 284, 4. *Schrank. Ins. Austr.* 927. *Faun. Boic.* iii. 2489. *Stew. El.* ii. 258. *Turt.* iii. 598. *Shaw, Gen. Zool.* vi. 385, *pl.* 107, *f. sup. Latr. Gen. Crust.* iv. 345. *Fall. Musc.* 38, 1. Musca, &c. *Reaum. Ins.* iv. *pl.* 29, *f.* 2—8. M. vivipara major, *Deg. Ins.* vi. 31, 8, *pl.* 3, *f.* 5—18. M. variegata, *Scop. Ent. Carn.* 869. Myophora carnaria, *Desv. Essai Myod.* 347, 31.

a. England.
b. France.
c. ———? From Mr. Children's collection.

SARCOPHAGA Atropos, *Meig. Dipt.* v. 23, 10. *Macq. Hist. Nat. Dipt.* ii. 227, 15. *Zett. Dipt. Scand.* iv. 1287, 4.

a. ———? From Mr. Children's collection.

SARCOPHAGA arvorum, *Meig. Dipt.* v. 24, 13. *Macq. Hist. Nat. Dipt.* ii. 227, 19. *Zett. Dipt. Scand.* iv. 1292, 11. Myophora arvorum? *Desv. Essai Myod.* 361, 84.

a. ———?

SARCOPHAGA melanura, *Meig. Dipt.* v. 23, 11. *Macq. Hist. Nat. Dipt.* ii. 227, 17. *Zett. Dipt. Scand.* iv. 1288, 6. S. albiceps, *Zett. Ins. Lapp.* 650, 3.

a England.
b. France.

SARCOPHAGA irrequieta, n. s., fem. *Cinerea, capite pectoreque canis, thorace fusco trivittato, abdomine cano nigroque tessellato, palpis antennis pedibusque nigris, alis limpidis basi subfulvis.*

Body clothed with black hairs and bristles: head hoary; a black stripe between the eyelets and the feelers; epistoma not prominent; sides of the face bristly at the base: eyes red; fore part flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, as long as the face; third joint linear, covered with a gray bloom, truncated at the tip, about four times the length of the second; bristle feathered for full half its length, very much longer than the third joint: chest gray, with three brown stripes, the middle one with a very slender stripe on each side: breast hoary: tip of

the scutcheon and hind borders of the abdominal segments armed with black spines: abdomen elliptical, a little broader and shorter than the chest, gray, tessellated with hoary reflections; a black middle stripe and black bands on the hind borders of the segments: legs black, clothed with black hairs and bristles; a hoary tinge on the thighs; foot-cushions tawny: wings colourless, with a tawny tinge at the base; wing-ribs tawny; veins black, tawny towards the base; scales white, with pale yellow borders; poisers tawny. Length of the body 4½ lines; of the wings 9 lines.

a. New Holland. From Mr. Gould's collection.

SARCOPHAGA vigil, n. s., mas. *Nigra, capite albo micante, thoraci vittis quatuor canis, abdomine cano interruptè quadrivittato, antennis fulvis, articulo 3° pedibusque nigris, alis subcinereis basi fuscis.*

Body black, clothed with black hairs and bristles: head adorned with white reflections, thickly clothed beneath with black hairs; face tawny, with the exception of two black stripes which correspond with the feelers, its sides fringed with bristles at the base; epistoma tawny, slightly prominent: eyes red: sucker black, clothed at the tip with short tawny hairs; palpi long, slender, tawny, beset with black bristles: feelers tawny, very short, hardly more than half the length of the face; third joint black, tawny at the base, a little longer than the second joint, flat above, slightly convex beneath, rounded at the tip; bristle black, tapering, nearly thrice the length of the second joint; its first joint obsolete; second joint very short; third joint downy for full half the length from the base: chest adorned with four hoary stripes, the middle pair double; scutcheon armed with a few long black spines: abdomen obconical, not longer than the chest, adorned with two rows of triangular hoary spots, and on each side with a slightly interrupted hoary stripe: legs black, clothed with black hairs and bristles; foot-cushions tawny; middle shanks thickly fringed with hairs on the inner side: wings slightly gray, tinged with brown at the base; wing-ribs pitchy; veins black; tip cross-vein forming a right angle with the fourth longitudinal vein, much curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein very slightly curved inward near the base, hardly curved outward at the tip; scales white, with pale yellow borders. Length of the body 5½ lines; of the wings 10 lines.

a. Nova Scotia. From Lieut. Redman's collection.

SARCOPHAGA edax, n. s., fem. *Nigra, capite antico ferrugineo, thoraci vittis quatuor canis, scutello ferrugineo, abdomine maculis cinereo-fulvis quadrivittato, antennis rufis, pedibus nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head in front ferruginous and partly adorned with white lustre, clothed beneath with pale tawny hairs; epistoma tawny, slightly prominent; sides of the face fringed with bristles at the base: eyes pitchy: sucker black, ferruginous and clothed with tawny hairs towards the tip: feelers red, shorter than the face; third joint nearly twice the length of the second, very slightly decreasing in depth from the base to the tip, which is rounded; bristle black, feathered nearly to the tip, full twice the length of the third joint: chest adorned with four hoary stripes, the inner pair double; breast gray; scutcheon ferruginous: abdomen oval, a little longer and broader than the chest, adorned with grayish tawny reflections, which have a tessellated appearance: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings almost colourless, slightly tawny at the base; shoulders and wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, curved inward at the base, straight from thence till near the tip, where it is slightly curved outward, joining the third longitudinal vein at a short distance from the tip of the latter; lower cross-vein much curved inward at the base, almost straight from thence to the tip; scales white, with yellow borders. Length of the body 4½ lines; of the wings 9 lines.

a. France?

SARCOPHAGA pumila, *Meig. Dipt.* v. 24, 12. *Zett. Dipt. Scand.* iv. 1291, 9.

a. France?

Group. IV. Phorella, *Desv. Essai Myod.* 362.

SARCOPHAGA Inoa, n. s., fem. *Cinereo-nigra, thorace fusco-nigro, vittis quatuor fulvo-cinereis, abdomine maculis canis quadrivittato, antennis ferrugineis, articulo 3° piceo, pedibus nigris, alis sublimpidis basi subfulvis.*

Body black, with a slight gray tinge, clothed with black hairs and bristles: head hoary, clothed beneath with gray hairs; sides of the face, epistoma and peristoma ferruginous; a ferruginous band on each side between the epistoma and the eye; sides of the face fringed with bristles at the base; epistoma prominent: eyes pitchy:

sucker black, clothed at the tip with tawny hairs; palpi pitchy, beset with black bristles: feelers pitchy, shorter than the face; first and second joints ferruginous; third joint flat above, slightly convex beneath, rounded at the tip, about twice the length of the second joint; bristle black, downy for full half its length from the base, bare from thence to the tip, much more than twice the length of the third joint: chest brownish black, adorned with four gray stripes, which have a slight tawny tinge; inner pair double on the fore part; sides and hind border of the scutcheon gray; breast hoary: abdomen nearly elliptical, a little broader but hardly longer than the chest; each segment adorned with four large hoary spots; tip black: legs black, clothed with black hairs and bristles; thighs and shanks slightly tinged with gray; foot-cushions pitchy: wings nearly colourless, slightly tawny at the base; wing-ribs tawny; veins black, pitchy at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, hardly curved inward near the base, almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, less distinct than the other, which is outward; scales pale yellow. Length of the body 5 lines; of the wings 10 lines.

a. Galapagos. Presented by C. Darwin, Esq.

SARCOPHAGA Anaces, n. s. *Nigro-cinerea, abdomine maculis canis quadrivittato, antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head hoary, excepting a black stripe fringed with bristles between the eyelets and the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes dark red: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, much shorter than the face; third joint about twice the length of the second, flat above, slightly convex beneath, obliquely truncated at the tip; bristle feathered for more than half the length from the base, more than twice the length of the third joint: chest tinged with gray: abdomen elliptical, not longer nor broader than the chest, adorned with hoary reflections, which are disposed in four rows of large irregular spots: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs tawny; veins black; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein straight for a short distance from the base, then slightly curved inward, and lastly very

slightly inclined outward; scales white. Length of the body 3 lines; of the wings 6 lines.

a. North America? Presented by the Entomological Club.

Group V. Cynomyia, *Desv. Essai Myod.* 363.

SARCOPHAGA mortuorum, *Meig. Dipt.* v. 16, 1. *Zett. Ins. Lapp.* 650, 6. *Dipt. Scand.* iv. 1303, 25. Musca mortuorum, *Linn. Syst. Nat.* ii. 989. *Faun. Suec.* 1830. *Gmel. Ed. Syst Nat.* i. 5, 2839, 67. *Schæff. Icon. pl.* 54, *f.* 9. *Turt.* iii. 600. *Don. Brit. Ins.* xv. 5, *pl.* 507. *Latr. Gen. Crust.* iv. 345. *Cons. Gén.* 444. *Fall. Musc.* 45, 18. M. vomitoria, *Fabr. Sp. Ins.* ii. 439, 17. *Ent. Syst.* iv. 318, 25. *Syst. Antl.* 290, 14. *Stew, El.* ii. 258. *Turt.* iii. 600. M. chrysocephala, *Deg. Ins.* vi. 30, 5, *pl.* 60, *f.* 5. Volucella vomitoria, *Schrank, Faun. Boic.* iii. 2488. Cynomyia mortuorum, *Desv. Essai Myod.* 364, 1. *Macq. Hist. Nat. Dipt.* ii. 233, 1, *pl.* 16, *f.* 4. C. chrysocephala, *Desv. Essai Myod.* 364, 2.

a. England.

SARCOPHAGA chlorogaster, *Wied. Auss. Zweif.* ii. 359, 9. *Walk. Linn. Trans.* xvii. 353, 58.

a. Monte Video. Presented by C. Darwin, Esq.

SARCOPHAGA Ortogesa, n. s., mas. *Cyanea, viridi purpureoque vario, thoraci vittis quatuor canis, abdomine viridi basi purpureo, antennis pedibusque nigris, femoribus cyaneis, alis subcinereis.*

Body bright blue, tinged here and there with green and purple, clothed with black hairs and bristles: head adorned with a white covering; sides of the face fringed with bristles at the base; epistoma not prominent: eyes dark red: sucker black; palpi black, beset with black bristles; first and second joints of the feelers black: chest adorned with four hoary stripes: abdomen oval, a little broader and longer than the chest; first and second segments purple; hind border of the second segment bluish-green; third and following segments green: legs black, clothed with black hairs and bristles; thighs blue; foot-cushions dark tawny: wings slightly gray; wing-ribs and veins black; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, much curved inward near the base, slightly waving from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very short and slight curves near the base, the first outward,

the second inward and succeeded by a straight line till near the tip, where there is a long and more distinct outward curve; scales gray, with pale borders. Length of the body 7 lines; of the wings 14 lines.

a. Chili. From Mr. Cuming's collection.

SARCOPHAGA Proerna, n. s., fem. *Nigra, capite antico ferrugineo, abdomine purpureo, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head ferruginous in front; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes pitchy; fore part slightly convex, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, rounded at the tip, full four times the length of the second; bristle about twice the length of the third joint, deeply feathered along half the length, its first joint distinct, but much shorter than the second: abdomen purple, obconical, hardly longer or broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs and veins black; tip cross-vein forming an acute angle with the fourth longitudinal vein, much curved inward near the base, very slightly curved outward from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very distinct curves, the lower inward, the other outward; scales gray, with tawny borders. Length of the body 4½ lines; of the wings 9 lines.

a. Monte Video. Presented by C. Darwin, Esq.

DEXIA, *Meigen*.

Group I. Estheria, *Desv. Ess. Myod.* 305.

DEXIA abdominalis. Estheria abdominalis, *Desv. Ess. Myod.* 306, 2.

a. Nova Scotia. From Lieut. Redman's collection.

DEXIA tibialis. Estheria tibialis, *Desv. Ess. Myod.* 306, 1.

a. Nova Scotia. From Lieut. Redman's collection.

DEXIA Dirphia, n. s., fem. *Cana, capite nigro-fusco vittato, thorace vittis duabus latis tribusque angustis ornato, scutello subpiceo, abdomine cinereo canoque tessellato, palpis fulvis, antennis piceis basi ferrugineis, pedibus nigris, alis subcinereis, basi et ad venas transversas fuscis.*

Body clothed with black hairs and bristles: head white, gray on the crown; a broad and very dark brown stripe fringed with bristles between the eyelets and the feelers; epistoma tawny, prominent; face pale ferruginous, its sides fringed with bristles at the base: eyes red; fore part flat, its facets very little larger than those elsewhere: sucker black, ferruginous and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers pitchy, ferruginous at the base, nearly as long as the face; third joint linear, rounded at the tip, about thrice the length of the second; bristle black, feathered with short hairs till near the tip, very much longer than the third joint: chest and breast hoary; two broad black stripes on the chest, and between them on the fore part three narrow black stripes; scutcheon somewhat pitchy, its tip armed with black spines; abdomen obconical, gray, broader and a little shorter than the chest, tessellated with hoary reflections, armed on each side and on the hind borders of the segments towards the tip with black spines: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray, tinged with brown at the base and on the middle cross-vein, and more slightly on the other cross-veins; wing-ribs and veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, which sends forth a stump beyond it, almost imperceptibly curved inward from the base to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 6 lines; of the wings 12 lines.

a. ———? From Mr. Children's collection.

DEXIA cristata, *Meig. Dipt.* v. 41, 11, *pl.* 43, *f.* 21. *Zett. Dipt. Scand.* 127, *f.* 16. Dinera cristata, *Macq. Hist. Nat. Dipt.* ii. 210, 1, *pl.* 15, *f.* 16. *Meig. Dipt.* vii. 269, 1, *pl.* 73, *f.* 13, 15. Estheria imperatoriæ, *Desv. Ess. Myod.* 306, 3.

a. England.

b. Lapland. Presented by the Entomological Club.

DEXIA Prexaspes, n. s., mas. *Ferruginea, capitis vitta thoracisque disco piceis, abdomine nigro vittato, cano tessellato, palpis flavis, antennis fulvis apice ferrugineis, pedibus ferrugineis, tarsis nigris, alis subcinereis, basi costa venarumque marginibus subfulvis.*

Body clothed with black hairs and bristles: head ferruginous, dark tawny above; a pitchy stripe fringed with bristles widening from the eyelets to the feelers; epistoma and face tawny; epistoma hardly prominent; sides of the face fringed with bristles nearly along the whole length: eyes red; fore part slightly convex, its facets larger than those elsewhere: sucker black, pale ferruginous, and clothed with tawny hairs towards the tip; palpi yellow, beset with black bristles: feelers tawny, very short, not half the length of the face; third joint ferruginous, linear, rounded at the tip, hardly longer than the second; bristle black, stout at the base, feathered with rather long hairs, more than thrice the length of the third joint: chest and breast ferruginous, adorned with hoary reflections; disk of the chest somewhat pitchy: abdomen ferruginous, obconical, tessellated with hoary reflections, a little longer, but not broader than the chest, adorned along the whole length with a black stripe, which is broader above than beneath: legs ferruginous, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings pale gray, with a slight tawny tinge at the base, on the fore borders, and along the borders of the veins; wing-ribs ferruginous; veins black, ferruginous at the base; tip cross-vein perpendicular to the fourth longitudinal vein, with which it forms a curve at their union, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the upper outward; scales gray, with a tawny tinge. Length of the body 5 lines; of the wings 10 lines.

a. Georgia. From Mr. Abbot's collection.

DEXIA Halone, n. s., mas. et fem. *Ferruginea, thorace quadrivittato, cano micante*, mari. *abdominis dorso piceo vittato lateribus cano micantibus, palpis fulvis, antennis luteis, pedibus ferrugineis, alis sublimpidis basi subfulvis.*

Body pale ferruginous, clothed with black hairs and bristles: head mostly adorned with a white covering; a dark ferruginous furrowed stripe, fringed with bristles, widening from the eyelets to the feelers; sides of the face prominent and fringed with bristles for half the length from the base; epistoma not prominent: eyes red: sucker ferruginous, clothed at the tip with tawny hairs; palpi

tawny, beset with black bristles: feelers luteous, very short, about one-third of the length of the face; third joint conical, not longer than the second; bristle more than thrice the length of the third joint, pitchy at the base, feathered with short hairs to the tip: chest adorned with hoary reflections, which are interrupted by four slender ferruginous stripes: abdomen oval, a little broader and longer than the chest, adorned on each side with hoary reflections; a pitchy stripe along the back of the male: legs ferruginous, clothed with black hairs and bristles; shanks darker than the thighs, paler than the feet; tips of the claws black; foot-cushions yellow: wings nearly colourless, pale tawny at the base; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, having a short outward curve near the base, and a long inward curve from thence to the tip; lower cross-vein with two slight curves, the lower inward, more distinct than the other, which is outward; scales whitish. Length of the body 6 lines; of the wings 13 lines.

a. Georgia. From Mr. Abbot's collection.

Group II. Megaprosopus, *Macq. Dipt. Exot.* ii. 3, 83, *pl.* 10, *f.* 1.

Group III. Microphthalma, *Macq. Dipt. Exot.* ii. 3, 84, *pl.* 10, *f.* 2.

Group IV. Dinera, *Desv. Ess. Myod.* 308.

Group V. Aria, *Desv. Ess. Myod.* 309.

Group VI. Feria, *Desv. Ess. Myod.* 309.

Group VII. Catilia, *Desv. Ess. Myod.* 310.

Group VIII. Dexia, *Desv. Ess. Myod.* 311.

Dexia pandens, n. s., fem. *Cyanea, capite nigro, thorace vittis quatuor canis, scutello abdominis vittis duabus ventreque purpureis, antennis pedibusque nigris, alis subfuscis, basi et ad costam fulvis limpido variis.*

Body blue, clothed with black hairs and bristles: head black, mostly adorned with a white covering, clothed beneath with a few tawny hairs, having a pale golden band along the hind border of each eye; facials, or parts of the head adjoining the sides of the face, dark ferruginous; epistoma prominent; sides of the face fringed with bristles at the base: eyes dark red: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, a little shorter than the face, slightly ferruginous at

the base; third joint full thrice the length of the second, linear for two-thirds of its length, thence slightly increasing in depth to the tip, which is rounded, bristle more than twice the length of the third joint, its first and second joints short; third downy till near the tip: chest adorned with four hoary stripes; inner pair double; scutcheon purple: breast black, tinged with gray: abdomen a little longer than broad, much broader but hardly longer than the chest, adorned with two slender, indistinct, purple stripes, which are parallel and very near to each other; under side purple, with hoary reflections: legs black, clothed with black hairs and bristles; foot-cushions and claws tawny; tips of the claws black: wings slightly brown, tawny with colourless intervals at the base, and on nearly half the length of the fore borders; wing-ribs and veins bright tawny; veins pitchy towards the tips; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, hardly curved inward at the base, almost straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the one near the base and almost imperceptible, the other near the tip and rather more distinct; scales pale tawny. Length of the body 8 lines; of the wings 20 lines.

a. ———?

Dexia potens, *Wied. Auss. Zweif.* ii. 368, 1. Dinera potens, *Macq. Hist. Nat. Dipt.* ii. 210, 2.

a. Brazil. From Mrs. Noel's collection.

Dexia Gortys, n. s., fem. *Picea, capite antico ferrugineo, thoracis lateribus pectore scutellique apice fulvis, abdomine fulvo, palpis antennis pedibusque ferrugineis, alis flavo-fuscis.*

Body pitchy, clothed with black hairs and bristles: head ferruginous in front; epistoma not prominent; sides of the face fringed with bristles at the base: eyes pale red; facets on the fore part larger than those elsewhere: sucker and palpi ferruginous, beset with black bristles: feelers pale ferruginous, shorter than the face; third joint linear, somewhat truncated at the tip, about thrice the length of the second joint; bristle much more than twice the length of the third joint, deeply feathered till near the tip, where it is black: chest on each side, breast and tip of the scutcheon tawny: abdomen nearly oval, dull tawny, paler beneath, darker towards the tip, a little broader but not longer than the chest: legs ferruginous, clothed with black hairs and bristles; feet furnished beneath with golden down; foot-cushions tawny; claws black, ferruginous at the base: wings yellowish brown, darkest along the fore borders; wing-

ribs ferruginous; veins black, ferruginous at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, a little curved inward, joining the border at a short distance above the tip of the wing; lower cross-vein nearly straight, but having two almost imperceptible curves; the lower inward, the other outward, and succeeded by a very obtuse outward angle; scales tawny. Length of the body 6½ lines; of the wings 14 lines.

a. Brazil. Presented by Dr. Sinclair.

Dexia Thomæ, *Wied. Auss. Zweif.* ii. 379, 18.
a. Jamaica. From Mr. Gosse's collection.

Dexia gracilis? *Wied. Auss. Zweif.* ii. 373, 8.
a. ——— ?

Dexia Harpasa, n. s., mas. *Nigra, capite cano, thorace cinereo subvittato, scutelli apice ferrugineo, abdomine cano tessellato, palpis flavis, antennis ferrugineis basi fulvis, pedibus nigris, tibiis ferrugineis, alis flavo-fuscis margine postico sublimpidis.*

Allied to *Stomoxys*. Body black, clothed with black hairs and bristles: head adorned with a hoary covering, clothed beneath with yellowish white hairs; facials red; a dark ferruginous stripe fringed with bristles between the eyelets and the feelers; sides of the face prominent and fringed with bristles at the base; peristoma and epistoma yellow, the latter slightly prominent: eyes red: sucker black, ferruginous and clothed with tawny hairs at the tip; palpi yellow, club-shaped, beset with black bristles: feelers tawny, not more than half the length of the face; third joint ferruginous, a little longer than the second, slightly decreasing in depth from the base to the tip, which is rounded; bristle black, deeply feathered from the base to the tip, much more than twice the length of the third joint: chest and breast adorned with a gray covering, the former indistinctly striped; scutcheon ferruginous towards the tip: abdomen elliptical, adorned with hoary reflections, as long and as broad as the chest: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions dark tawny: wings tinged with yellowish brown, nearly colourless along the hind borders; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very little curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the upper outward, rather more distinct than the other, which is inward; scales

grayish, with pale tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. North America. From Mr. Children's collection.

DEXIA Pristis, n. s., mas. *Nigra, capite albo micante, thorace cinereo vittis quatuor nigris, pectore cano, abdomine maculis canis bivittato, antennis pedibusque nigris, illis basi palpis tibiisque ferrugineis, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head covered with white lustre, clothed beneath with white hairs; a dark ferruginous stripe fringed with bristles, widening from the eyelets to the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes dark red, hairy: sucker yellow, clothed with yellow hairs: palpi tawny, beset with black bristles: feelers ferruginous, nearly as long as the face; third joint black, ferruginous at the base, full thrice the length of the second joint, slightly increasing in depth from the base to the tip, which is rounded; bristle tapering, very slender, more than twice the length of the third joint, downy for half the length from the base: chest tinged with gray, adorned with four slender black stripes; breast hoary, partly clothed with pale yellow hairs: abdomen long-obconical, much longer and a little narrower than the chest, adorned with hoary reflections, which form a large spot on each side of every segment; underside bluish gray: legs black, clothed with black hairs and bristles; thighs tinged with bluish gray; shanks dark ferruginous; foot-cushions yellow; claws hairy: wings nearly colourless; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, shorter and more distinct than the other, which is outward; scales whitish, with pale yellow borders. Length of the body 4½ lines; of the wings 9 lines.

a. Massachusetts. From Prof. Sheppard's collection.

DEXIA Ogoa, n. s., fem. *Fulva, pectore albo, abdomine basi flavo apice piceo vittato, pedibus fulvis, alis sublimpidis vix fulvescentibus.*

Body pale tawny, clothed with black hairs and long black bristles: head wanting: scutcheon armed with two long black spines: breast white: abdomen elliptical, much longer than the chest, pale yellow towards the base; a short pitchy stripe at the tip, which, like the sides, is armed with a few long black spines: legs

yellow, clothed with black hairs and bristles; feet tawny, very thickly beset with short hairs; foot-cushions pale tawny; claws black: wings nearly colourless, but having a very slight tawny tinge; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming with the fourth longitudinal vein an obtuse angle, which is very near the border of the wing, straight, with the exception of a very slight inward curve near the tip, joining the border at the tip of the wing; lower cross-vein nearly straight, the two usual curves being almost imperceptible; scales white, with pale yellow borders. Length of the body 2½ lines of the wings 6 lines.

a. Nova Scotia. From Lieut. Redman's collection.

DEXIA Cremides, n. s., fem. *Nigra, capite albo, thorace cinereo, subvittato, scutelli apice ferrugineo, pectore cano, abdomine maculis cinereo-fulvis vittato, antennis ferrugineis, palpis pedibusque fulvis, tarsis nigris, alis subcinereis, basi costa venarumque marginibus subfulvis.*

Body black, clothed with black hairs and bristles: head adorned with a white covering; a pitchy stripe fringed with bristles between the eyelets and the feelers; peristoma and epistoma tawny, the latter prominent; sides of the face fringed with bristles at the base: eyes red, not hairy: sucker black, pitchy and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers ferruginous, rather more than half the length of the face; third joint nearly linear, pitchy, ferruginous at the base, conical at the tip, more than twice the length of the second joint; bristle black, pale tawny at the base, deeply fringed from thence to the tip, more than twice the length of the third joint: chest covered with gray bloom, which is indistinctly striped with black; breast hoary; tip of the scutcheon ferruginous: abdomen obconical, a little broader but not longer than the chest, adorned with grayish tawny reflections, which are arranged in four rows of large irregular spots; underside hoary: legs tawny, clothed with black hairs and bristles; shanks darker than the thighs; feet black; claws and foot-cushions tawny: wings slightly gray, with an indistinct tawny tinge at the base, on the fore borders, and along the borders of the veins; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a right angle with the fourth longitudinal vein, slightly and irregularly curved inward along the whole length, joining the border at a short distance above the tip of the wing; lower cross-vein with two curves, the lower inward, shorter and deeper than the other, which is outward; scales whitish, with pale yellow borders. Length of the body 2¼ lines; of the wings 4 lines.

a. North America. Presented by the Entomological Club.

DEXIA Hyria, n. s., fem. *Cana, capite ferrugineo, thorace fusco quadrivittato, abdomine ferrugineo fulvo micante, antennis pedibusque nigris, alis subcinereis.*

Body clothed with black hairs and bristles: head ferruginous, clothed behind and beneath with pale tawny hairs: a pitchy stripe widening from the eyelets to the feelers, and occupying the whole breadth between the eyes; epistoma prominent; sides of the face beset with bristles at the base; middle part occupied by a high ridge like that of *Rutilia:* eyes dark red; fore part nearly flat, its facets a little larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs at the tip: feelers black, very much shorter than the face; third joint linear, rounded at the tip, more than twice the length of the second joint; bristle slightly hairy, longer than the third joint: chest and breast hoary: chest adorned with four broad brown stripes: tip of the scutcheon and hind borders of the abdominal segments armed with a few black spines: abdomen ferruginous, longer and a little narrower than the chest, adorned above with pale tawny reflections: legs black, clothed with black hairs and bristles: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, which sends forth a long stump beyond it, very slightly curved inward along the whole length, joining the border a short distance above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, not so deep as the other, which is outward; scales white, with pale tawny borders. Length of the body 5 lines; of the wings 9 lines.

a. Adelaide. Presented by the Entomological Club.

DEXIA anthracina, *Meig. Dipt.* v. 36, 3.
a. England.
b. ——— ? From Mr. Children's collection.

DEXIA canina, *Meig. Dipt.* v. 47, 24, vii. 270, 12. *Desv. Essai Myod.* 313, 6. *Macq. Hist. Nat. Dipt.* ii. 212, 2, *pl.* 15, *f.* 17. *Zett. Dipt. Scand.* iii. 1263, 1. Musca canina, *Fabr. Sp. Ins.* ii. 440, 24. *Ent. Syst.* iv. 321, 38. *Syst. Antl.* 296, 60. *Gmel. Ed. Syst. Nat.* i. 5, 2842, 185. *Stew. El.* ii. 258. *Turt.* iii. 601. *Fall. Musc.* 41, 9. *Zett. Ins. Lapp.* 653, 2. M. volets, *Harr. Ex.* 84, *pl.* 25, *f.* 12.
a. England.
b. France?
c. ——— ?

Dexia vacua, *Meig. Dipt.* v. 46, 23, vii. 270, 13. *Macq. Hist. Nat. Dipt.* ii. 212, 3. *Zett. Dipt. Scand.* iii. 1265, 3. *Fall. Act. Holm.* 1816, 240, 10. *Musc.* 42, 10.

a. France.

b. ———? From Mr. Children's collection.

c. ———?

Dexia grisescens, *Meig.* xx. *Dipt.* v. 45, 21, vii. 270, 10. *Zett. Dipt. Scand.* iii. 1278, 15. Musca grisescens, *Fall. Musc.* 44, 16. Dinera grisescens, *Macq. Hist. Nat. Dipt.* ii. 211, 4.

a. ———? From Mr. Children's collection.

Dexia rustica, *Meig. Dipt.* v. 46, 22, vii. 270, 8. *Desv. Essai Myod.* 311, 1. *Macq. Hist. Nat. Dipt.* ii. 211, 1. *Zett. Dipt. Scand.* iii. 1264, 2. Musca rustica, *Fabr. Sp. Ins.* ii. 440, 26. *Ent. Syst.* iv. 322, 41. *Syst. Antl.* 296, 64. *Gmel. Ed. Syst. Nat.* v. 2842, 187.

a. England.

Dexia Posio, n. s., fem. *Fulva, capite nigro anticè ferrugineo, thorace nigro quadrivittato, abdomine fulvo-cinereo cano tessellato, pedibus nigris, alis subcinereis basi costa venarumque marginibus subfuscis.*

Body clothed with black hairs and bristles: head black, with a brown tinge above, ferruginous, and covered with white bloom in front; a pitchy furrowed stripe between the eyelets and the feelers; epistoma not prominent; sides of the face without bristles: eyes pitchy; fore part flat, its facets larger than those elsewhere: feelers tawny at the base: chest and breast tawny; chest adorned with four black stripes: abdomen obconical, gray, with a tawny tinge, much longer, but not broader than the chest, tessellated with hoary reflections: legs black, clothed with black hairs and bristles: wings slightly gray, tinged with brown at the base, on the fore borders, and along the veins; wing-ribs dark ferruginous; veins black, ferruginous towards the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, where it is slightly curved outward, joining the third vein at some distance from the tip of the latter; lower cross-vein curved inward from the base to the middle, where it forms an angle with a very short stump, almost straight from thence to the tip; scales white, with pale tawny borders. Length of the body 5 lines; of the wings 9 lines.

a. Cape.

Dexia volvulus, *Meig. Dipt.* v. 35, 2, *pl.* 43, *f.* 19. *Zett. Dipt. Scand.* iii. 1271, 8. Musca volvulus, *Fabr. Ent. Syst.* iv. 328, 67. *Zett. Ins. Lapp.* 653, 3. Ocyptera volvulus, *Fabr. Syst. Antl.* 314, 7. Musca cylindrica, *Fall. Act. Holm.* 1816, 242, 160. *Musc.* 43, 13. Phyllomya volvulus, *Desv. Essai Myod.* 213, 1. Sericocera volvulus, *Macq. Hist. Nat. Dipt.* ii. 166, 3. Melania volvulus, *Meig. Dipt.* vii. 275, 1, *pl.* 73, *f.* 23.
a. ——— ?

Dexia nigripes, *Meig. Dipt.* v. 38, 8. Musca nigripes, *Fabr. Ent. Syst.* iv. 319, 30. *Syst. Antl.* 293, 47. *Panz. Faun. Germ.* 104. 18. M. leucozona, *Panz. Faun. Germ.* 104, 19. M. lateralis, *Fall. Musc.* 42, 11. M. nigrina, *Fall. Musc.* 42, 12. D. leucozona, *Meig. Dipt.* v. 37, 7. *Zett. Dipt. Scand.* iii. 1266, 4. Thelaira abdominalis; *Desv. Essai Myod.* 215, 1. Sericocera leucozona, *Macq. Hist. Nat. Dipt.* ii. 167, 5. S. nigripes, *Macq. Hist. Nat. Dipt.* ii. 167, 6.
a. England. From Mr. Children's collection.
b. ——— ?

Dexia compressa, *Meig. Dipt.* v. 41, 13. *Zett. Dipt. Scand.* iii. 1277, 14. Musca compressa, *Fabr. Mant. Ins.* ii. 346, 44. *Ent. Syst.* iv. 327, 64. *Gmel. Ed. Syst. Nat.* v. 2847, 210. M. rutillus, *Harr. Ex.* 86, *pl.* 24, *f.* 20. M. lateralis, *Panz. Faun. Germ.* 8, 2. M. rufiventris, *Fall. Act. Holm.* 18, 16. *Musc.* 41, 8. *Zett. Ins. Lapp.* 652. Ocyptera lurida, *Fabr. Syst. Antl.* 314, 5. O. compressa, *Oliv. Encycl. Meth. Fabr. Syst. Antl.* 314, 5. Volucella lurida, *Schrank, Faun. Boic.* iii. 2483. Mintho compressa, *Meig. Dipt.* vii. 253, 1. *Desv. Essai Myod.* 216, 1. Sericocera compressa, *Macq. Hist. Nat. Dipt.* ii. 169, 10. Wiedemannia compressa, *Loew, Ent. Zeit. Stettin*, 1847, viii. 251.
a. England.
b. ——— ?

Dexia Thala, n. s., fem. *Nigra, thorace cano trivittato, lateribus anticis fulvis, abdomine ferrugineo albo micante nigro vittato, antennis nigris, basi femoribusque fulvis, tibiis piceis, tarsis nigris, alis sublimpidis, basi venarumque marginibus subfulvis.*

Allied to *Tachina*. Body black, clothed with black hairs and bristles: head adorned with white lustre; a pitchy stripe fringed with bristles between the eyelets and the feelers; face and adjoining part of the head ferruginous; sides of the face fringed with bristles at the base; epistoma not prominent: eyes pitchy; fore

part composed of larger facets than those elsewhere: sucker pitchy, tawny, and clothed with tawny hairs at the tip; palpi yellow, beset with black bristles: feelers bright tawny, a little shorter than the face; third joint black, tawny at the base, slender, linear, truncated at the tip, hardly four times the length of the second joint; bristle black, downy along the whole length, tawny at the base, very much longer than the third joint: chest adorned with three broad, hoary stripes, tawny on each side in front; breast hoary: abdomen pale ferruginous, adorned with white lustre on the fore border of the third segment, spindle-shaped, compressed, less than twice the length of the chest; a black interrupted stripe along the back: legs tawny, clothed with black hairs and bristles; shanks pitchy; feet black; foot-cushions tawny: wings nearly colourless, slightly tawny at the base and along the fore borders of the veins; tip cross-vein forming a right angle with the fourth longitudinal vein (which projects somewhat beyond it), slightly curved inward near the base, straight from thence to the tip, which joins the tip of the third longitudinal vein; lower cross-vein with two curves, the lower inward and distinct, the other outward and hardly perceptible; scales whitish, with tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. Tangier. From Mr. Fraser's collection.

Dexia Abzoe, n. s., fem. *Nigra, thoracis lateribus anticis ferrugineis, abdomine fulvo cano micante piceo fasciato nigro vittato, antennis ferrugineis, pedibus nigris, tibiis nigro-ferrugineis, alis fulvis.*

Allied to *Tachina*. Body black, clothed with black hairs and bristles: head ferruginous, partly adorned with a yellow covering; a pitchy stripe fringed with bristles widening from the eyelets to the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes pitchy; facets on the fore part larger than those elsewhere: sucker tawny, clothed with yellow hairs; palpi ferruginous, beset with black bristles: feelers ferruginous, nearly as long as the face; third joint linear, slender, rounded at the tip, more than four times the length of the second joint; bristle much longer than the third joint, deeply feathered from the base to the tip: chest ferruginous on each side in front: abdomen tawny, tapering from the base to the tip, adorned with white reflections on each side, rather more than twice the length of the chest; a black stripe on the back occupies the whole breadth near the tip, which is ferruginous; hind borders of the segments irregularly pitchy: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions tawny: wings tawny, rather narrow, wing-ribs and veins ferruginous; tip cross-vein forming a very obtuse angle

with the fourth longitudinal vein, very slightly curved inward from the base to the tip, joining the border a little above the tip of the wing; lower cross-vein with two slight curves, the lower inward, more distinct than the other, which is outward; scales tawny. Length of the body 5 lines; of the wings 9 lines.

a. Georgia. From Mr. Abbot's collection.

Dexia Aurinia, n. s., fem. *Nigra, fulvo tecta, thorace vittis quatuor nigris, pectore cinereo, abdominis segmentorum marginibus anticis fulvis, palpis fulvis, antennis luteis, pedibus fulvis, tarsis nigris, alis cinereis costa venarumque marginibus fuscis.*

Body black, clothed with black hairs and bristles: head tawny, black on the crown, pitchy, and clothed with a few pale yellow hairs beneath; a pitchy furrowed stripe between the eyelets and the feelers: epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes red, not hairy: sucker tawny, clothed with yellow hairs; palpi tawny, beset with black bristles: feelers luteous, not more than half the length of the face; third joint rather deep, rounded at the tip, about twice the length of the second joint; bristle black, deeply feathered to the tip, about twice the length of the third joint: chest tinged with tawny colour, adorned with four slender black stripes; breast gray: abdomen oval, shining, much longer, but not broader than the chest; a broad tawny band on the fore border of each segment: legs tawny, clothed with black hairs and bristles, feet black; foot-cushions pale tawny: wings gray, brown on the fore borders and along the borders of the veins; wing-ribs tawny; veins pitchy, tawny towards the base; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein (which sends forth a short stump beyond it), curved inward, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, a little more distinct than the other, which is almost imperceptible; scales yellowish white, with pale tawny borders. Length of the body 3½ lines; of the wings 7 lines.

a. ———? From Mr. Children's collection.

Dexia Cerata, n. s., fem. *Nigro-cinerea, capite cano, thorace subvittato, abdomine fulvo micante, palpis fulvis, antennis nigris basi ferrugineis, pedibus fulvis, tarsis nigris, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head adorned with a hoary covering; a pitchy furrowed stripe between the eyelets and the feelers; epistoma and peristoma tawny, the former prominent; sides of the face fringed with bristles at the base;

facials red: eyes bright red, not hairy: sucker black, ferruginous and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers pale ferruginous, much shorter than the face; third joint about twice the length of the second, black, ferruginous at the base, very slightly decreasing in depth from the base to the tip, which is rounded: chest and breast slightly tinged with gray; chest indistinctly striped: abdomen adorned with tawny reflections, oval, a little broader, but not longer than the chest; under side hoary: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions and claws tawny; tips of the claws black: wings nearly colourless; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, slightly and irregularly curved inward along the whole length, joining the border at a short distance above the tip of the wing; lower cross-vein curved inward near the base, straight from thence to the tip, where it is just inclined outward: scales white. Length of the body 4 lines; of the wings 9 lines.

a. North America. Presented by the Entomological Club.

DEXIA Isapis, n. s., mas. *Nigro-cinerea, thoracis lateribus anticis fulvis, abdomine fulvo apice nigro, antennis piceis basi fulvis, pedibus fulvis, tarsis nigris, alis subcinereis.*

Allied to *Tachina*. Body black, clothed with black hairs and bristles; head adorned with white lustre: a pitchy stripe fringed with bristles between the eyelets and the feelers; epistoma not prominent; sides of the face fringed with bristles at the base: eyes pitchy; fore part flat, composed of larger facets than those elsewhere: sucker pitchy, tawny and clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers bright tawny, as long as the face; third joint pitchy, tawny at the base, slender, linear, truncated at the tip, full six times the length of the second joint; bristle black, downy along the whole length, tawny at the base, very much longer than the third joint: chest tinged with gray, tawny on each side in front: abdomen tawny, spindle-shaped, slightly compressed, ferruginous and marked with black towards the tip, nearly twice the length of the chest: legs tawny, clothed with black hairs and bristles; shanks darker than the thighs; feet black; foot-cushions tawny: wings narrow, slightly gray; wing-ribs tawny, veins pitchy, tawny towards the base; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein (which projects somewhat beyond it), slightly curved inward near the base, straight from thence to the tip, joining the tip of the third longitudinal vein; lower cross-vein with two curves; the lower inward,

deep and short; the other outward, long and slight; scales pale yellow, with tawny borders. Length of the body 4 lines; of the wings 7—8 lines.

a. Egypt. Presented by Sir Gardner Wilkinson.

DEXIA Hyala, n. s., fem. *Nigro-cinerea, thorace nigro trivittato, abdomine nigro-æneo cano tessellato, antennis pedibusque nigris, alis subcinereis.*

Allied to *Tachina*. Body dull grayish black, clothed with black hairs and bristles: head adorned in front with hoary reflections, clothed beneath with hoary hairs; crown broad; epistoma ferruginous, not prominent; sides of the face beset with bristles at the base: eyes red; fore part slightly convex, its facets larger than those elsewhere; sucker black, pitchy and clothed with tawny hairs at the tip; palpi black, beset with black bristles: feelers black, shorter than the face; third joint deep, full twice the length of the second, increasing much in depth from the base to the tip, which is truncated; bristle very much more than twice the length of the third joint, feathered with short hairs for three-fourths of the length: chest adorned with three indistinct black stripes: abdomen elliptical, brassy black, tessellated with hoary reflections, a little broader, but hardly longer than the chest; sides and hind borders of the segments towards the tip armed with black spines: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein very far removed from the hind border of the wing, forming a nearly right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at a long distance above the tip of the wing; lower cross-vein straight for nearly half its length, very slightly curved outward from thence to the tip; scales pale yellow, with pale tawny borders. Length of the body 2½ lines; of the wings 5 lines.

a. France?

DEXIA Pandama, n. s., fem. *Nigra, fulvo tecta, thorace cinereo, abdomine nigro vittato, antennis ferrugineis, pedibus nigris, alis subcinereis.*

Allied to *Tachina*. Body black, clothed with black hairs and bristles: head adorned with a tawny covering; epistoma not prominent, tawny on each side; sides of the face fringed with bristles: eyes pitchy: fore part slightly convex, its facets larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi yellow,

beset with black bristles: feelers ferruginous, shorter than the face; third joint tawny towards the base and beneath, very slightly decreasing in depth from the base to the tip, which is rounded, less than twice the length of the second joint; bristle black, slender, feathered for full half the length, stout at the base, much more than twice the length of the third joint: chest and breast gray: chest with a slight tawny tinge: abdomen elliptical, not longer nor broader than the chest, adorned with a dull tawny covering; a slight black stripe along the back: legs black; foot-cushions pitchy; thighs and shanks tinged with gray: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein very slightly curved near the base, straight from thence to the tip; scales whitish, with pale yellow borders. Length of the body 2 lines; of the wings 4 lines.

a. ——— ? Presented by the Entomological Club.

Dexia Sermyla, n. s. *Cinerea, capite albo, thorace vittis quatuor nigris, pectore cano, abdomine cano micante subtus ferrugineo apice compresso, palpis fulvis, antennis basi ferrugineis, pedibus nigris, tibiis ferrugineis, alis sublimpidis.*

Body black, clothed with black hairs and bristles: head covered with white lustre, thickly clothed behind and beneath with yellowish white hairs; epistoma not prominent; sides of the face fringed with bristles at the base: eyes dark red: sucker tawny, clothed with yellow hairs; palpi tawny, beset with black bristles: first and second joints of the feelers ferruginous: chest gray, with the exception of four slender black stripes; breast hoary: abdomen about thrice the length of the chest, spindle-shaped, dark ferruginous beneath, compressed, tapering, and thickly beset with long bristles toward the tip, adorned with hoary reflections, which are chiefly on each side: legs black, clothed with black hairs and bristles; thighs tinged with gray, shanks dark ferruginous; foot-cushions yellow; claws dark tawny, with black tips: wings nearly colourless, rather narrow; wing-ribs tawny; veins black, yellow at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, slightly curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 6 lines; of the wings 10 lines.

a. Brazil.

DEXIA longipes, var.? *Macq. Dipt. Ent. Suppl.* 1846, 187, 4. Mas. et fem. *Cana, capite albo, thoraci vittis sex piceis, abdomine fulvo-cano micante, segmentorum suturis nigris, antennis piceis, articulo 3° pedibusque nigris, alis sublimpidis.*

Male.—Body hoary, clothed with black hairs and bristles: head white, prominent in front, thickly clothed beneath with white hairs; a pitchy stripe fringed with bristles tapering from the feelers towards the eyelets, where it again widens; face narrow, pale tawny, fringed with bristles at the base; epistoma prominent: eyes deep red, not hairy: sucker black, long, ferruginous and clothed with tawny hairs towards the tip; palpi short, tawny, beset with black bristles: feelers pitchy, shorter than the face; third joint black, slender, linear, rounded at the tip, more than thrice the length of the second joint; bristle tawny, feathered to the tip, stout for about one-sixth of the length from the base, near which it is encircled by a broad black band: chest with three slender, indistinct, pitchy stripes on each side: abdomen obconical, narrower, but hardly larger than the chest, adorned with hoary reflections, which have a tawny tinge; sutures of the segments black: legs black, slender, very long, clothed with short black hairs; each of the two hinder pair nearly twice the length of the body; foot-cushions pale tawny: wings nearly colourless; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, irregularly and very slightly curved inward till near the tip, where it is a little inclined outward, joining the border at a short distance above the tip of the wing; lower cross-vein with two curves, the lower inward and hardly perceptible, the other distinct and outward; scales large, white, with tawny borders. *Female.*—Abdomen nearly elliptical, a little shorter, but not narrower than the chest: curve of the tip cross-vein more irregular than that of the male; inner curve of the lower cross-vein more distinct. Length of the body 6 lines; of the wings 14 lines.

a. Van Dieman's Land. Presented by the Rev. T. Ewing.
b. New Holland.

Group IX. Cordyligaster, *Macq. Dipt. Exot.* ii. 2, 90.

DEXIA petiolata, *Wied. Auss. Zweif.* ii. 374, 10. Cordyligaster petiolatus, *Macq. Dipt. Exot.* ii. 2, 90, 1. *Nigra, capite argenteo, thorace albo ornato, abdominis suturis canis, palpis antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head adorned with silvery lustre, clothed beneath with white hairs; a black stripe fringed with bristles between the eyelets and the feelers; epistoma

not prominent; sides of the face fringed with bristles at the base: eyes red, not hairy: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, shorter than the face; third joint full thrice the length of the second, slightly decreasing in depth from the base to the tip, which is almost truncated; bristle more than twice the length of the third joint, feathered with short hairs to its tip: chest adorned with a white covering: abdomen compressed, obclavate, increasing in depth from the base till near its tip, more than thrice the length of the chest; sutures of the segments hoary: legs black, slender, very long, clothed with black hairs and bristles: wings dark gray, very long and narrow; wing-ribs and veins black: tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, having a very indistinct inward angle at about one-fourth of the length from the base, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with a short inward curve near the base, and a long outward curve from thence to the tip; both very slight; scales whitish, with sawny borders; poisers tawny. Length of the body 8 lines; of the wings 13 lines.

a. Para. From Mr. Stevens' collection.

Group X.

DEXIA Randa. *Fulva, capite aureo, thorace vittis quatuor flavis ornato, scutello cyaneo, abdomine cyaneo basi subtusque fulvo, palpis antennisque luteis, pedibus fulvis, tibiis posterioribus tarsisque piceis, tarsis anticis ferrugineis, alis fulvis apice fuscis.*

Body bright tawny, clothed with black hairs and bristles: head adorned with golden lustre, and having white reflections along the eyes beneath: a ferruginous stripe fringed with bristles between the eyelets and the feelers; sides of the face prominent and fringed with bristles at the base; epistoma not prominent: eyes red, not hairy; fore part flat, composed of larger facets than those elsewhere: sucker ferruginous, clothed with tawny hairs; palpi luteous, clavate, beset with black bristles: feelers luteous, nearly as long as the face; third joint downy, nearly linear, very slightly concave above, flat beneath, rounded at the tip, about thrice the length of the second joint; bristle black towards the tip, more than twice the length of the third joint, deeply but thinly fringed from the base to the tip: disk of the chest ferruginous, adorned with four pale yellow stripes, and with a blue colour which appears on its hinder part and on the scutcheon; fore part of the breast yellow: abdomen a little longer than broad, broader but hardly longer than the chest, bright blue at the tip beneath and on the whole of the back, excepting the base: legs taw-

ny, clothed with black hairs and bristles; fore feet ferruginous; four hinder shanks and feet pitchy; claws black, tawny at the base; foot-cushions yellow: wings tawny, brown at the tips, pale brown along the hind borders; a long deep brown band beyond the middle of the fore border; tip cross-vein very near the border of the wing, forming a very obtuse angle, or rather a curve, with the fourth longitudinal vein, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two long and very slight curves, the lower inward, the other outward; middle cross-vein clouded with brown; scales tawny. Length of the body 5½ lines; of the wings 13 lines.

a. Brazil. Presented by the Entomological Club.
b. Brazil. From Mr. Children's collection.

Group XI. Zelia, *Desv. Essai Myod.* 314.

Group XII. Sophia, *Desv. Essai Myod.* 317.

Dexia melaleuca, *Wied. Auss. Zweif.* ii. 369, 2. *Perty, Del. Anim. Artic.* 186, *pl.* 37, *f.* 7. Sophia punctata, *Desv. Essai Myod.* 318, 2. S. vittata? *Guérin, Icon. Regn. Anim.* Scotiptera melaleuca, *Macq. Dipt. Exot.* ii. 2, 83, 1. Sarcophaga nigripennis, *Guérin et Percheron, Gen. Ins. Dipt. pl.* 5, 4 *livr. No.* 10.
a. Brazil. From Mrs. Noel's collection.

Group XIII. Rutilia, *Desv. Essai Myod.* 319.

Dexia vivipara, *Guérin, Rev. Zool.* 1843, 270, 10. Tachina vivipara, *Fabr. Syst. Antl.* 309, 3. *Wied. Auss. Zweif.* ii. 291, 17.
a. Port Stephen, New Holland. Presented by the Earl of Derby.
b. New Holland. Presented by J. Hunter, Esq.
c. West Australia. From Mr. Clifton's collection.
d. New Holland. From Mr. Children's collection.
e. New Holland.

Dexia, *Durvillei.*

Rutilia Durvillei, *Desv. Essai Myod.* 321, 4. *Guérin, Rev. Zool.* 1843, 270, 9.
a. Swan River. Presented by Sir J. Richardson.
b. West Australia. From Mr. Clifton's collection.
c. ——— ? From Mr. Children's collection.

DEXIA testacea. Diaphania testacea, *Macq. Dipt. Exot.* ii. 121, 1, *pl.* 14, *f.* 8.
a. New Holland. Presented by the Haslar Hospital.
b, New Holland. Presented by the Entomological Club.

DEXIA Aditha, n. s., mas. *Cyaneo-viridis, capite piceo, thorace vittis quatuor æneis, scutello abdomineque ferrugineis, cyaneo purpureoque micantibus, abdomine nigro vittato fasciisque albis ornato, palpis fulvis apice piceis, antennis piceis basi ferrugineis, pedibus ferrugineis tarsis nigris, alis cinereis.*

Body clothed with black hairs and bristles: head pitchy, adorned with a white covering, thickly clothed beneath with pale yellow shining hairs; a deep brown stripe widening from the eyelets to the feelers; epistoma tawny, very prominent; sides of the face fringed with bristles for nearly half the length; face ferruginous, with a ridge in the middle and a furrow on each side: eyes red, separated on the crown by a narrow interval; fore part flat, its facets rather larger than those elsewhere: sucker pitchy, tawny and clothed with yellow hairs at the tip; palpi tawny, long, slender, curved, clothed with tawny hairs, pitchy and clothed with black hairs at the tips: feelers ferruginous, much shorter than the face; third joint pitchy, linear, conical at the tip, ferruginous at the base, about twice the length of the second joint; bristle black, downy, much more than twice the length of the third joint, its first and second joints short: chest bluish green, with a slight white covering; fore part adorned with four brassy stripes; disk of the hind part and scutcheon ferruginous, with bluish purple reflections; hind border of the scutcheon armed with black spines: breast dark green, partly clothed with tawny hairs: abdomen obconical, half transparent, furrowed on the back, notched in the tip, a little longer and broader than the chest, ferruginous with bluish green and purple reflections; fore borders of the segments adorned with white lustre; a black stripe along the middle of the back; hind border of the third segment armed with black spines; segments beneath successively more and more retracted towards the base; legs dark ferruginous, clothed with black hairs and bristles; feet black; foot-cushions pitchy: wings slightly gray; a brown spot near the base; wing-ribs and veins tawny; veins black towards the borders; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, a little curved inward near the base, straight from thence to the tip, where it is slightly curved outward, joining the border at some distance above the tip of the wing; lower cross-vein much curved inward near the base, slightly curved outward from thence to the tip;

scales gray, with tawny borders. Length of the body 8 lines; of the wings 18 lines.

a. Swan River. Presented by Sir. J. Richardson.

DEXIA Sabrata, n. s., fem. *Albo-viridis, capite piceo, thorace subvittato, pectore scutello abdomineque ferrugineis purpureo cyaneoque micantibus, palpis antennisque nigris, pedibus ferrugineis, tarsis nigris, alis subcinereis.*

Body clothed with black hairs and bristles: head pitchy, adorned with a white covering, thickly clothed beneath with pale yellow shining hairs; a broad interval on the crown between the eyes; a pitchy stripe between the eyelets and the feelers, narrowest in its middle course; a tawny spot at the base of the feelers; epistoma tawny, very prominent; sides of the face fringed with bristles for full one-half of the length; face ferruginous, with a ridge in the middle and a furrow on each side: eyes dark red; fore part slightly convex, its facets hardly larger than those elsewhere: sucker pitchy, clothed at the tip with tawny hairs; palpi black, beset with black hairs: feelers black, a little shorter than the face; third joint linear, rounded at the tip, full thrice the length of the second joint; bristle downy, about twice the length of the third joint: chest dull green, adorned with a white covering, which is indistinctly striped; sides, hind part, and scutcheon ferruginous, with purple reflections; hind border of the scutcheon armed with black spines; breast ferruginous, partly bluish purple, and adorned with a white covering: abdomen obconical, half transparent, furrowed on the back, notched in the tip, ferruginous with bluish green and purple reflections, a little longer and broader than the chest; fore borders of the segments adorned with white lustre; a black stripe along the middle of the back; hind border of the third segment armed with black spines; segments beneath successively more and more retracted towards the base: legs dark ferruginous, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings slightly gray; a brown spot near the base; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, almost imperceptibly curved inward till very near the tip, where it is curved outward, joining the border at some distance above the tip of the wing; lower cross-vein much curved inward near the base, slightly curved outward from thence to the tip; scales gray, with tawny borders. Length of the body 6 lines; of the wings 16 lines.

a. New Holland. Presented by J. Hunter, Esq.

DEXIA Ethoda, n. s., fem. *Cyaneo-viridis albo micans, thorace vittis una æneâ duabusque aureo-viridibus ornato, scutello æneo-purpureo, pectore purpureo-cyaneo, abdomine viridi purpureo cyaneoque ornato, palpis fulvis, antennis pedibusque nigris, alis subcinereis.*

Body clothed with black hairs and bristles: head black, adorned with a white covering; a black stripe, gray on the disk, and having a ferruginous spot at each end between the eyelets and the feelers; epistoma black, very prominent; sides of the face fringed with bristles for more than half the length: eyes pitchy; fore part slightly convex, its facets not larger than those elsewhere: sucker black, pitchy and clothed with yellow hairs at the tip; palpi dark tawny, pitchy towards the tips, clothed with black hairs: feelers black, tinged with gray, much shorter than the face; third joint linear, rounded at the tip, about twice the length of the second; bristle downy, nearly thrice the length of the third joint: chest bluish green, tinged with white, fore part adorned with a narrow brassy stripe, and with a broad golden-green stripe on each side; disk of the hind part and scutcheon coppery-purple; hind border of the scutcheon armed with shining black bristles; breast purplish blue: abdomen short-obconical, a little broader but not longer than the chest, furrowed and striped with black on the back, notched in the tip; first segment bluish green; second segment coppery-purple, with golden-green reflections, its hind border armed with black spines, and adorned with a bluish black band bordered with green; third segment like the second, but the purple predominates over the golden-green; fourth segment green, coppery-purple on each side, its hind border armed with black spines; fifth segment golden-green, coppery-purple on the fore border, intense blue on the hind border; fore borders of the segments adorned with a white covering; underside bright deep blue, purple on the hind border of each segment; third segment mostly green: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; a brown spot near the base; wing-ribs and veins ferruginous; tips of the veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, having an almost imperceptible inward curve from the base till near the tip, where it is slightly inclined outward; lower cross-vein with two curves, the lower inward, the other outward, more slight and irregular than the first. Length of the body 8 lines; of the wings 18 lines.

a. Swan River. Presented by Sir John Richardson.

DEXIA inornata. Rutilia inornata, *Guérin, Rev. Zool.* 1843, 268, 7. *Macq. Dipt. Exot. Suppl.* 1846, 178, 7, *pl.* 16, *f.* 5.
a. New Holland.

DEXIA Potina, n. s., fem. *Picea, albo ornata, scutello abdominisque segmentorum marginibus anticis ferrugineis, palpis fulvis, antennis piceis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head pitchy, adorned with a white covering, which does not appear on the broad furrowed stripe between the eyelets and the feelers; epistoma tawny, shining, very prominent; middle ridge of the face tawny, covered with white bloom; sides covered with tawny down, fringed with bristles for more than half the length: eyes dark red; facets of the fore part very small: sucker black, clothed at the tip with tawny hairs: palpi long, slender, dark tawny, clothed with short black hairs; their tips black: feelers pitchy, not more than half the length of the face; second joint armed with a long bristle; third joint linear, rounded at the tip, more than twice the length of the second; bristle black, slightly downy, much more than twice the length of the third joint: chest pitchy, armed with some black spines at the base of the wings; hind part and scutcheon ferruginous: abdomen pitchy, obconical, full as broad and as long as the chest; fore borders of the segments somewhat ferruginous, tinged with white bloom; hind border of the third segment armed with spines: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless, with a large brown spot near the base, which is tawny; wing-ribs and veins ferruginous; veins black towards the tips; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip, where it is very slightly curved outward, joining the border at a short distance above the tip of the wing; lower cross-vein with two curves, the lower inward, much deeper and shorter than the other, which is outward; scales whitish, with yellow borders. Length of the body 7 lines; of the wings 16 lines.

a. Van Dieman's Land. Presented by the Rev. T. Ewing.

DEXIA Barcha, n. s., fem. *Ferruginea, capite piceo, thoracis disco, abdominis vitta et segmentorum marginibus posticis nigris, marginibus anticis albo ornatis, palpis fulvis, antennis piceis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head pitchy; a black stripe between the eyelets and the feelers; epistoma black, very prominent; fore border ferruginous; facials dark red; middle

ridge of the face ferruginous; sides covered with tawny down, fringed with bristles on nearly half the length: eyes red; fore part flat, its facets not larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi tawny, long, slender, beset with short black hairs: feelers pitchy, much shorter than the face; third joint ferruginous, linear, pitchy at the base, rounded at the tip, more than twice the length of the second joint; bristle black, downy, more than twice the length of the third joint; its first joint short: chest and breast very dark ferruginous: disk of the chest black, its sides armed with a few black spines: abdomen obconical, a little longer and broader than the chest, very dark ferruginous, tinged with blue; fore borders of the segments covered with white bloom; hind borders black; a black stripe and a furrow along the middle; tip notched: legs black, clothed with black hairs and bristles; foot-cushions dark tawny: wings colourless; a large blackish brown spot near the base; wing-ribs and veins ferruginous; veins black towards the tips; tip cross-vein forming a right angle with the fourth longitudinal vein, having an almost imperceptible inward curve from thence till near the tip, where it is slightly curved outward, joining the border at some little distance above the tip of the wing; lower cross-vein having a very slight inward curve at one-third of its length, almost straight from thence to the tip; middle cross-vein with a clouded knob on the outer side near the base; scales dingy yellow, with black borders. Length of the body 6—7 lines; of the wings 16—18 lines.

a. New Holland.

Dexia Idesa, n. s., fem. *Viridis, capite thoracis lateribus abdomineque ferrugineis, abdominis segmentis viridi quadrimaculatis, vitta marginibusque posticis nigris, palpis fulvis, antennis ferrugineis, pedibus nigris, tibiis ferrugineis, alis limpidis.*

Body clothed with black hairs and bristles: head pale ferruginous: a black stripe fringed with bristles between the eyelets and the feelers; epistoma prominent; sides of the face covered with tawny down, fringed with bristles for near half the length; eyes dark red; fore part convex, its facets a little larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, long, slender, beset with short black hairs: feelers pale ferruginous, not more than half the length of the face; second joint armed with a long bristle; third joint linear, rounded at the tip, more than twice the length of the second joint; bristle black, hardly downy, much more than twice the length of the third joint; its first and second joints short: chest and breast green; sides ferruginous, clothed with tawny hairs; sides of the hinder part and

of the scutcheon armed with black spines: abdomen obconical, ferruginous, hardly broader and not longer than the chest; hind border of third segment armed with black spines; a narrow black band on the hind border of each segment; a broad black stripe along the back, which is not furrowed; tip truncated, not notched; each segment adorned with two round bright green spots on the back, and with a triangular spot of the same colour on each side; last segment mostly green: legs black, clothed with black hairs and bristles; shanks dark ferruginous: wings colourless; a blackish brown spot near the base, which is slightly tawny; wing-ribs and veins dark ferruginous; veins black towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along some part of its course, straight from thence till near the tip, where it is inclined outward; lower cross-vein with two very slight curves, the lower inward, the upper outward and somewhat irregular; scales pale yellow, with brown borders. Length of the body 6 lines; of the wings 12 lines.

a. New Holland. Presented by the Haslar Hospital.

DEXIA Onoba, n. s., mas. *Cyaneo-viridis albo micans, capite nigro, thorace æneo subvittato, lateribus scutello abdominisque basi ferrugineo purpureoque ornatis, abdominis vitta nigra, antennis palpisque nigris, pedibus ferrugineis, tarsis nigris, alis subcinereis.*

Body clothed with black hairs and bristles: head black, adorned with a white covering and with a dark brown stripe, which widens from the eyelets to the feelers, clothed beneath with yellow hairs; epistoma dark tawny, very prominent; sides of the face fringed with bristles along half the length: eyes dark red; fore part rather flat, its facets not larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs at the tip; palpi black, clothed with black hairs: feelers black, much shorter than the face; tip of the second joint ferruginous; third joint linear, ferruginous at the base, rounded at the tip, more than twice the length of the second joint; bristle nearly twice the length of the third joint: chest bluish-green, with a whitish covering, and adorned with some indistinct brassy stripes; sides and scutcheon tinged with ferruginous and purple colour: breast mostly black; abdomen obconical, a little broader, but not longer than the chest; first, second and third segments ferruginous, adorned with blue-green and purple reflexions, tinged with white along the fore borders; fourth segment bright bluish green; a furrow and a black stripe along the back, and a notch at the tip of the abdomen; under side tawny, tinged with blue and green on the sides and towards the tip: legs

dark ferruginous, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings slightly gray; wing-ribs and veins dark ferruginous; veins black towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, till near the tip, where it has a slight outward inclination, joining the border at a short distance above the tip of the wing; lower cross-vein with two curves, the lower inward, much deeper than the other, which is outward; scales gray, with tawny borders. Length of the body 6 lines; of the wings 16 lines.

a. New Holland.

DEXIA Uzita, n. s., fem. *Viridis, capite fulvo, thoracis lateribus cyaneis, scutelli apice purpureo, pectore abdomineque aureo-viridibus, abdominis vitta et segmentorum marginibus posticis nigris, palpis flavis, antennis nigris basi ferrugineis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head tawny and tinged with white in front, bright green behind and beneath, pitchy with a tawny tinge on the crown; a ferruginous stripe between the eyelets and the feelers; epistoma extremely prominent; ridge of the face pale ferruginous, with a bright green spot at the tip adjoining the epistoma; sides of the face fringed with bristles along one-third of the length: eyes brassy red; fore part nearly flat, its facets very small: sucker black, clothed at the tip with tawny hairs; palpi pale yellow, long, very slender, beset with short black hairs: feelers ferruginous; third joint black, ferruginous at the base, more than twice the length of the second joint, which is armed with a black bristle: chest bright green, bluish on each side and on the scutcheon, whose tip is tinged with purple; fore part adorned with five indistinct, darker stripes: breast golden green, bluish on each side, clothed with tawny hairs: abdomen golden green, obconical, a little shorter and broader than the chest, bluish green on each side and at the tip, not furrowed nor notched at the tip; a black stripe along the middle, and a broad black band on the hind border of each segment: legs black, clothed with black hairs and bristles; foot-cushions tawny, with very long, forked, spindle-shaped, pale tawny appendages: wings colourless, a large dark brown spot near the base, which is tawny; wing-ribs ferruginous; veins black, ferruginous at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, almost imperceptibly curved inward along the whole length to the tip, which has a slight outward inclination, joining the border a little above the tip of the wing;

lower cross-vein with two very slight curves, the lower inward, the upper outward; scales white, with pale yellow borders. Length of the body 6 lines; of the wings 16 lines.

a. New Holland?

DEXIA retusa? Musca retusa? *Fabr. Ent. Syst.* iv. 316, 15. *Syst. Antl.* 288, 22. *Wied. Auss. Zweif.* ii. 420, 64. Mas. *Viridis, capite fulvo, thorace vittis quatuor æneis, abdomine æneo-viridi, vitta et segmentorum marginibus posticis nigris, palpis fulvis, antennis ferrugineis, pedibus nigris, tibiis nigro-ferrugineis, alis limpidis.*

Body clothed with black hairs and bristles: head bright tawny; crown pitchy, with a broad, many-furrowed, ferruginous stripe between the eyelets and the feelers; epistoma prominent; sides of the face fringed with bristles for one-third of the length from the base: eyes pitchy; fore part nearly flat, its facets very small: sucker black, clothed with yellow hairs; palpi tawny, beset with short, black hairs: feelers pale ferruginous, much shorter than the face; third joint linear, rounded at the tip, more than twice the length of the second joint; bristle black, downy, much more than twice the length of the third joint, its second joint short, but longer than the first: chest and breast bright green, the latter clothed with tawny hairs; fore part of the chest adorned with four brassy stripes; hind part and scutcheon bluish green: abdomen obconical, brassy green, a little broader, but not longer than the chest; a narrow black band on the hind border of each segment, and a broader black stripe along the back; no furrow nor notch at the tip: legs black, clothed with black hairs and bristles; shanks very dark ferruginous; foot-cushions tawny; wings colourless; a dark brown spot near the base which is tawny; wing-ribs and veins ferruginous; veins black towards the tips; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, very slightly inclined inward near the base, straight from thence till near the tip, where it is almost curved outward; lower cross-vein with two extremely slight curves, the lower inward, the upper outward; scales tawny. Length of the body 6 lines; of the wings 16 lines.

a. New Holland.

DEXIA Panthea, n. s., fem. *Aureo-viridis cyaneo micans, capitis vertice fulvo, thoracis vittis quatuor æneis, scutello cyaneo, abdomine cupreo, vitta dorsali et segmentorum marginibus posticis nigris, palpis fulvis, antennis nigris basi ferrugineis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head thickly covered with bright tawny down, bright bluish green behind and beneath, dark tawny on the crown, having a whitish tinge in front; a ferruginous stripe widening from the eyelets to the feelers; epistoma very prominent; sides of the face fringed with bristles along nearly half the length; sucker black, clothed at the tip with tawny hairs; palpi tawny, long, slender, beset with short black hairs: eyes pitchy; fore part nearly flat; all the facets small: feelers ferruginous, short, not more than half the length of the face; second joint armed with a bristle; third joint black, conical at the tip, ferruginous at the base, less than twice the length of the second; bristle black, downy, about thrice the length of the third joint: chest golden-green, tinged with blue, adorned with four bronze stripes; scutcheon bright blue; breast bluish green, clothed with tawny hairs: abdomen bright reddish copper-colour, which is mingled with green at the base and on each side; a black stripe along the back and a black band on the hind border of each segment; no furrow nor notch at the tip; segments on the underside slightly retracted towards the base: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings colourless, with a brown spot near the base, which is tawny on the fore border; wing-ribs ferruginous; veins black, ferruginous at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, almost imperceptibly curved inward till near the tip, where it has a slight outward inclination joining the border; lower cross-vein with a slight inward curve near the base, straight from thence for some space, and afterwards slightly waving to the tip; scales gray, with tawny borders. Length of the body 7 lines; of the wings 18 lines.

a. West Australia. From Mr. Clifton's collection.

DEXIA formosa. Rutilia formosa, *Desv. Essai Myod.* 320, 2. R. splendida? *Macq. Dipt. Exot.* ii. 81, 1, *pl.* 9, *f.* 5, 6. *Guérin, Rev. Zool.* 1843, 266, 3.

a. New Holland.

DEXIA regalis. Rutilia regalis, *Guérin, Rev. Zool.* 1843, 265, 1. *Voy. Coq. Zool.* ii. *pl.* 21, *f.* 1. Musca regalis, *Guérin, Voy. Coq. Zool.* ii. 21*st div.* 296.

a. New Holland. Presented by the Entomological Club.

DEXIA splendida. Musca splendida, *Donovan, Gen. Ill. Ent.* i. *pl. Hym. Dipt. f.* * *Wied. Auss. Zweif.* ii. 285, 3. Rutilia splendida, *Guérin, Rev. Zool.* 1843, 266, 5. *Macq. Dipt. Exot. Suppl.* 1846, 178, 9. R. Australasiæ, *G. R. Gray, Griff. Cuv. Anim. Kingd. Ins.* ii. *pl.* 144, *f.* 1.

a. Sydney, New South Wales. Presented by Dr. Sinclair.
b. New Holland. Presented by the Linnean Society.
c. Swan River. Presented by Sir J. Richardson.
d. Swan River. From Mr. Lambert's collection.
e. Swan River.

DEXIA Zabirna, n. s., mas. *Viridis albo-micans, capite ferrugineo, thorace maculis octo nigris ornato, scutello ferrugineo, abdominis basi apiceque nigris, palpis fulvis, anteunis ferrugineis, pedibus nigris, tibiis ferrugineis, alis limpidis.*

Body clothed with black hairs and bristles: head ferruginous, adorned with white lustre round the eyes, golden-green beneath; a pitchy stripe fringed with bristles, widening from the eyelets to the feelers; epistoma very prominent; sides of the face fringed with bristles for two-thirds of the length from the base: eyes dark red; fore part slightly convex, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, long and very slender, beset with short black hairs: feelers ferruginous, short, not more than half the length of the face; second joint armed with a bristle; third joint linear, black from the middle to the tip, which is rounded, about twice the length of the second joint; bristle bare, nearly thrice the length of the third joint: chest green, slightly tinged with white, adorned with eight deep black spots or short stripes, which are disposed in two cross rows; the two inner pair are shorter than the two outer pair; scutcheon ferruginous, tinged with bluish green: abdomen obconical, bluish green, with white reflections, not furrowed nor notched, a little broader and shorter than the chest; first segment and tip black; hind border of the third segment armed with spines; a slender interrupted black stripe along the back, and a broad black band on the hind border of each segment: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions pitchy: wings colourless; a small pale brown spot near the base, which it joins on the fore border; wing-ribs ferruginous; veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, almost imperceptibly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the up-

per outward; scales gray, with tawny borders. Length of the body 6 lines; of the wings 14 lines.

a. West Australia. From Mr. Clifton's collection.

Dexia decora. Rutilia decora, *Guérin, Rev. Zool.* 1843, 216, 3. *Macq. Dipt. Exot. Suppl.* 1846, 180, 13.

a. New Holland. Presented by the Haslar Hospital.
b. Adelaide. Presented by the Entomological Club.
c. ———?

Dexia Chersipho, n. s., fem. *Purpurea, capite luteo, thorace cyaneo vittato et maculato, abdomine nigro-purpureo, fasciis tribus abbreviatis cyaneo-viridibus micante, palpis fulvis, antennis ferrugineis, pedibus nigris, alis limpidis basi fulvis fusco maculatis.*

Body clothed with black hairs and bristles: head bright orange-colour, beneath golden-green, which colour passes into bluish-green on one side, and into coppery-purple on the other; crown dark orange; a ferruginous stripe widening from the eyelets to the feelers; epistoma very prominent; sides of the face fringed with bristles along half the length: eyes pitchy; fore part flat, its facets a little larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, slender, very long, beset with short black hairs: feelers bright pale ferruginous; second joint armed with a bristle; third joint linear, conical at the tip, about thrice the length of the second; bristle black, bare, much more than twice the length of the third joint; its second joint short but longer than the first: chest purple, adorned in front with two short pale blue stripes, and on each side with a cluster of three small spots, behind which there is a short stripe of the same colour: breast blue, tinged with green and purple: abdomen obconical, a little broader but not longer than the chest, blackish purple, adorned on each side with three brilliant bluish green short bands, extending equally above and beneath; the hindmost pair occupy the tip and are there united; no furrow nor notch at the tip: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings colourless, dark brown near the base, which is tawny; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward before the middle, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein straight, with the exception of two very slight curves, one inward near the base, the other

outward near the tip; scales dingy white, with tawny borders. Length of the body 5 lines; of the wings 14 lines.

a. ———? From Mr. Children's collection.

DEXIA serena, n. s., fem. *Aureo-viridis, thorace cyaneo micante vittis quatuor nigris, scutelli disco purpureo-nigro, margine postico purpureo-nigro, abdomine purpureo fasciis aureis viridibus et cyaneis, apice ventreque cupreis, palpis fulvis, antennis ferrugineis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head golden, bright green beneath, adorned with white lustre behind the eyes; a ferruginous stripe widening from the eyelets to the feelers; epistoma very prominent; sides of the face fringed with bristles along half the length: eyes pitchy; fore part nearly flat, its facets a little larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs at the tip; palpi tawny, thinly clothed with short tawny hairs: feelers pale ferruginous, very short, less than half the length of the face, almost hidden in the cavities formed by the high middle ridge between them; this ridge much exceeds them in length, but extends hardly more than half way to the border of the epistoma; third joint slightly convex above and below, rounded at the tip, full thrice the length of the second joint; bristle black, downy, more than twice the length of the third joint, its first and second joints very short; first joint ferruginous: chest golden-green, slightly tinged with blue, adorned with four indistinct black stripes; disk of the scutcheon purplish blue; hind border tawny; breast bluish green, tinged with purple on each side, clothed with pitchy hairs: abdomen obconical, purple, very little broader and hardly longer than the chest; fore border of each segment adorned with a golden interrupted band, which is bordered with green and blue; last segment and underside bright copper-colour; hind borders of the segments beneath black, which colour passes to the copper hue by means of purple, blue, green and gold: legs black, clothed with black hairs and bristles; foot-cushions dingy yellow: wings colourless, with a small brown spot on the fore borders near the base; shoulders pale tawny; wing-ribs pitchy, veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, almost straight, the inward curve being nearly imperceptible, but there is a very short and slight outward curve at the tip, which joins the border at some distance above the tip of the wing; lower cross-vein with two extremely slight curves, the lower inward, the other outward; scales dingy white, with dark tawny borders. Length of of the body 5 lines; of the wings 14 lines.

a. Madras. Presented by Walter Elliott, Esq.

Group XIV. Formosia? *Guérin, Rev. Zool.* 1843.

DEXIA Hypsa, n. s., mas. *Cyaneo-viridis, scutello æneo-viridi, abdomine aureo-viridi albo micante segmentorum marginibus posticis nigris, apice cupreo, palpis ferrugineis, antennis piceis, pedibus nigris femoribus tibiisque apice ferrugineis, alis limpidis.*

Body black, clothed with black hairs and bristles: head with a tawny covering above, ferruginous along the sides of the face, dark bluish green beneath, where it is thickly clothed with hoary hairs; epistoma prominent; sides of the face not bristly; no middle ridge: eyes dark red, meeting on the crown; fore part flat, its facets very much larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi ferruginous, long, slender, beset with short black hairs: feelers pitchy, nearly as long as the face; third joint slender, linear, rounded at the tip, about six times the length of the second; bristle black, very deeply feathered, much longer than the third joint: chest in front purple, tinged with blue and green; hind part and scutcheon mostly coppery-green; breast bluish green, clothed with tawny hairs, brassy on each side: abdomen obconical, much shorter but not broader than the chest; first, second, and third segments golden-green, with a slight white bloom, bluish along the hind borders, which are black; fourth and fifth segments reddish copper-colour, clothed with tawny hairs; hind border of the fourth segment dark blue: legs black, clothed with black hairs and bristles; thighs and shanks dark ferruginous towards the tips; foot-cushions tawny: wings colourless, with a dark brown spot near the base, which is slightly tawny; wing-ribs pitchy; veins black; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, curved slightly inward along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, rather more distinct than the other, which is outward; scales gray. Length of the the body 4 lines; of the wings 10 lines.

a. ———?

DEXIA Chrysame, n. s., fem. *Aureo-viridis, maculis albis ornata, capite aureo, palpis fulvis, antennis ferrugineis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head bright gold-colour, white behind, clothed beneath with tawny hairs; crown very broad; epistoma prominent; face with a high middle ridge, its sides fringed with bristles along half the length: eyes dark red, with a black stripe near the hind border; fore part convex, its facets

a little larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, slender, beset with black bristles: feelers bright pale ferruginous, shorter than the face; second joint darker; third joint linear, slender, rounded at the tip, full four times the length of the second; bristle black, deeply feathered, very much longer than the third joint; its first and second joints ferruginous, very short: chest golden-green, adorned with white spots on each side, and with two short white stripes in front: abdomen obconical, golden-green, shorter and a little broader than the chest, adorned on each side with two white spots, one on the second, the other on the fourth segment; hind borders of the segments armed with spines: legs black, clothed with black hairs and bristles: wings colourless, blackish brown, with a colourless spot at the base; wing-ribs and veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two almost imperceptible curves, the lower inward, the other outward; scales large, brown, white towards the base. Length of the body 3 lines; of the wings 6 lines.

a. New Holland. Presented by the Entomological Club.

Group XV. Aminia, *Desv. Essai Myod.* 443.

Dexia leonina, *Fabr. Syst. Ent.* 776, 12. *Ent. Syst.* iv. 318, 24. *Syst. Antl.* 290, 33. *Wied. Auss. Zweif.* ii. 389, 10. Rutilia leonina? *Desv. Essai Myod.* 320, 1. Aminia imperialis, *Desv. Essai Myod.* 443, 1. A. leonina? *Desv. Essai Myod.* 444, 2. *Macq. Dipt. Exot.* ii. 117, 1, *pl.* 14, *f.* 5.

a. New Holland. Presented by the Haslar Hospital.
b. New Holland. From Mr. Argent's collection.
c. New Holland.

Group XVI. Amphibolia, *Macq. Dipt. Exot.* ii. 122.

Dexia Valentina. Amphibolia Valentina, *Macq. Dipt. Exot.* ii. 122, 1, *pl.* 14, *f.* 9.

a. Van Dieman's Land. Presented by the Rev. Augustus Beaufort.
b. Van Dieman's Land. Presented by the Rev. T. Ewing.
c. West Australia. From Mr. Clifton's collection.
d. New Holland. From Mr. Argent's collection.
e. ———?

Group XVII. Macromya, *Desv. Essai Myod.* 322.
Group XVIII. Harrisia, *Desv. Essai Myod.* 323.
Group XIX. Leschenaultia, *Desv. Essai Myod.* 324.
Group XX. Theresia, *Desv. Essai Myod.* 325.
Group XXI. Phorostoma, *Desv. Essai Myod.* 326.
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MUSCA, *Linnæus.*

A. Muscidæ Floricolæ, *Desv. Essai Myod.* 375.

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MUSCA jejuna, *Fabr. Ent. Syst.* iv. 312, 1. *Syst. Antl.* 283, 1. *Wied. Auss. Zweif.* ii. 386, 4. M. torosa, *Wied. Zool. Mag.* iii. 21, 29. Bengalia testacea, *Desv. Essai Myod.* 426, 1. Ochromyia jejuna, *Macq. Hist. Nat. Dipt.* ii. 249, 1.
a. ———?

MUSCA pallens. Bengalia pallens, *Desv. Essai Myod.* 426, 3.
a. ———?

Group II. Phumosia, *Desv. Essai Myod.* 427.
Group III. Ormia, *Desv. Essai Myod.* 428.

MUSCA punctata. Ormia punctata, *Desv. Essai Myod.* 428, 1. Ochromyia punctata, *Macq. Hist. Nat. Dipt.* ii. 250, 3.
a. Jamaica.
b. ———?

Musca Dioclea, n. s. *Fulva, abdominis apice piceo, antennis pedibusque fulvis, alis fuco -cinereis basi fulvis, costa apicem versus nigro-fusca.*

Head tawny, dark tawny on the crown; epistomæ slightly prominent; sides of the face without bristles: eyes pitchy; fore part flat, its facets larger than those elsewhere: feelers tawny; third joint linear, rounded at the tip, full four times the length of the second; bristle black towards the tip, much longer than the third joint: disk of the chest dark tawny; tip of the scutcheon armed with a few black spines: abdomen obconical, a little broader but not longer than the chest, pitchy towards the tip: legs pale tawny; feet dark tawny: wings brownish gray, tawny towards the base, dark brown along the fore border from half the length to the tip; wing-ribs ferruginous; veins pitchy, ferruginous towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved inward, joining the border a little above the tip of the wing; lower cross-vein with two curves, the lower inward, longer than the other, which is deeper and outward; scales tawny. Length of the body 4 lines; of the wings 9 lines.

a. ——— ?

Group IV. Palpostoma, *Desv. Essai Myod.* 429.

C. Muscidæ metallicæ, *Desv. Essai Myod.* 441.

Group I. Silbomyia, *Macq. Dipt. Exot.* ii. 119.

Musca fuscipennis, *Fabr. Syst. Antl.* 291, 37. *Wied. Auss. Zweif.* ii. 388, 8. Silbomyia fuscipennis, *Macq. Dipt. Exot.* ii. 119, 1.

a. Java.

b. ——— ?

Group II. Chrysomyia, *Desv. Essai Myod.* 445.

Musca marginalis, *Wied. Auss. Zweif.* ii. 395, 18.

a. South Africa. Presented Dr. A. Smith.

b. Congo.

c. ——— ?

Musca putoria, *Wied Auss. Zweif.* ii. 403, 32.

a. (Var. ?) Sierra Leone. Presented by the Rev. D. F. Morgan.

Musca chloropyga, *Wied. Zool. Mag.* ii. 44. *Auss. Zweif.* ii. 400; 28.
a. South Africa. Presented by Dr. A. Smith.
b. Cape.
c. ———?

Musca flaviceps. Lucilia flaviceps, *Macq. Dipt. Exot.* ii. 2, 145, 23, *pl.* 18. *f.* 1.
a. Madras. Presented by Walter Elliot, Esq.

Musca orientalis. Lucilia orientalis, *Macq. Dipt. Exot.* ii. 2, 145, 22, *pl.* 18, *f.* 2.
a. Madras. Presented by Walter Elliot, Esq.

Musca megacephala, *Fabr. Ent. Syst.* iv. 317, 18. *Syst. Antl.* 289, 27. *Wied. Auss. Zweif.* ii. 399, 27.
a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Musca Elara, n. s., fem. *Aureo-viridis, capite albo micante, thoracis segmentorum marginibus posticis nigro-cyaneis, palpis fulvis, antennis piceis, pedibus ferrugineis, femoribus nigro-cyaneis, alis limpidis basi nigro-fuscis.*

Body bright golden-green, thinly clothed with black hairs and bristles: head adorned with white reflections, tawny and clothed with short white hairs in front; epistoma slightly prominent; sides of the face beset with bristles at the base: eyes pitchy or dark red: sucker black, ferruginous and clothed with tawny hairs at the tip; palpi tawny: feelers pitchy, shorter than the face; third joint full four times the length of the second, slightly increasing in depth from the base to the tip, which is rounded; bristle black, very much longer than the third joint, deeply fringed: breast partly blue: abdomen nearly elliptical, a little shorter than the chest; hind borders of the segments blackish blue; last segment brighter and more golden than the rest of the body: legs dark ferruginous, clothed with black hairs and bristles; thighs mostly bluish black; foot-cushions pitchy: wings colourless, dark brown at the base; wing-ribs and veins black; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward before half its length, straight from thence to the tip, where it has an almost imperceptible outward curve; lower cross-vein with two curves, the lower inward, shorter but not deeper than the other, which is outward; scales white, with very pale yellow borders. Length of the body 3—3½ lines; of the wings 7—8 lines.

a. South Africa. Presented by Dr. A. Smith.

Musca Tifata, n. s., mas. *Viridis, albo micans, thorace vittis tribus æneis, abdominis segmentorum marginibus posticis cyaneis, palpis fulvis, antennis pedibusque piceis, femoribus nigro-cyaneis, alis subcinereis basi fuscis.*

Body clothed with black hairs and bristles: head dull green, adorned with white lustre: a double row of black bristles between the eyes; epistoma rather prominent, pale ferruginous; sides of the face fringed with bristles at the base; peristoma tawny: eyes red: sucker black, ferruginous and clothed with tawny hairs at the tip; palpi tawny: feelers pitchy, a little shorter than the face; third joint full four times the length of the second, ferruginous at the base, linear, rounded at the tip; bristle black, longer than the third joint: chest green, slightly tinged with white, adorned in front with three indistinct and interrupted copper stripes: abdomen nearly elliptical, a little shorter and broader than the chest; hind borders of the segments blue, especially on each side, where they are partly purple: legs pitchy; hips and thighs bluish black; foot-cushions dark tawny: wings slightly gray, brown at the base; wing-ribs and veins black; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward at one-fourth of its length, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein very slightly curved inward near the base, and thence having an irregular and almost imperceptible outward curve which continues to the tip; scales white, with tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. China. Presented by G. T. Lay, Esq.

Musca Remuria, n. s., fem. *Cyaneo-viridis, æneo varia albo tecta, scutello cyaneo, abdomine aureo-viridi segmentorum marginibus posticis cyaneis, antennis palpisque fulvis, pedibus nigris, tibiis ferrugineis, alis limpidis basi subfulvis.*

Body clothed with black hairs and bristles: head pitchy above, tawny and slightly tinged with white in front; a dark ferruginous stripe between the eyelets and the feelers; epistoma prominent; sides of the face fringed with bristles at the base: eyes bright red: sucker black, ferruginous and clothed with tawny hairs at the tip: palpi tawny: feelers bright tawny, a little shorter than the face; third joint full four times the length of the second, slightly decreasing in depth from the base to the tip, which is rounded; bristle dark tawny, a little longer than the third joint: chest bluish green, adorned with a coppery tinge and slightly covered with white bloom in front; scutcheon blue: abdomen nearly elliptical, a little

broader but not longer than the chest, golden-green, especially at the tip, where it is clothed with tawny hairs; its base, and the hind border of each segment blue, the latter colour appears chiefly on each side, where it is varied with purple, and has a green band between it and the golden hue: legs black, thinly clothed with black hairs and bristles; thighs tinged with blue; shanks dark ferruginous; foot-cushions dark tawny: wings colourless, with a slight tawny tinge at the base; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward before one-fourth of its length, nearly straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two slight curves, the lower inward, shorter but not deeper than the other, which is outward; scales gray, with dark tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. China. Presented by G. T. Lay, Esq.

Musca Emoda, n. s., fem. *Viridis, capite fulvo supra piceo, scutello abdomineque cyaneo-viridibus, hujus apice aureo-viridi, antennis piceis, palpis pedibusque fulvis, tarsis nigris, alis limpidis.*

Body clothed with black hairs and bristles: head pitchy above, bright tawny and clothed with short white hairs in front; a ferruginous stripe between the eyelets and the feelers; epistoma prominent; sides of the face beset with very few bristles at the base: eyes pitchy; fore part as usual flat, and composed of larger facets than those elsewhere: sucker black, ferruginous and clothed with tawny hairs towards the tip; palpi tawny: feelers pitchy, nearly as long as the face; second joint ferruginous; third joint full four times the length of the second, flat above, slightly convex beneath, rounded at the tip; bristle dark tawny, much longer than the third joint: chest green; scutcheon bluish green: abdomen elliptical, bluish green, a little broader but not longer than the chest, golden-green towards the tip, which is clothed with short white hairs: legs tawny, thinly clothed with black hairs and bristles; feet black; foot-cushions pale tawny: wings colourless; wing-ribs and veins ferruginous; veins pitchy towards the tips; tip cross-vein forming a right angle with the fourth longitudinal vein, curved inward along one-fourth of its length, straight during the latter part of its course, joining the border at a short distance above the tip of the wing; lower cross-vein with two curves, the lower inward, much deeper than the other, which is outward; scales yellowish white, with pale yellow borders. Length of the body 3 lines; of the wings 6 lines.

a. Egypt. Presented by Sir Gardner Wilkinson.

Musca Certima, n. s., fem. *Cyaneo-viridis, capite luteo, thorace vittis quinque purpureis, scutello cyaneo, abdomine albo micante, apice aureo, segmentorum marginibus posticis cyaneis, palpis fulvis, antennis pedibusque ferrugineis, femoribus nigro-æneis, alis subcinereis.*

Body thinly clothed with black hairs and bristles: head tawny above, luteous and clothed with bright tawny hairs in front and beneath; a ferruginous stripe fringed with bristles between the eyelets and the feelers; epistoma very prominent; sides of the face beset with very few bristles at the base: eyes red; fore part flat, composed of larger facets than those elsewhere: sucker black, clothed at the tip with pale tawny hairs; palpi tawny, slender, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint paler and shining at the base, about four times the length of the second, slightly decreasing in depth from the base to the tip, which is rounded; bristle ferruginous, much longer than the third joint: chest bluish green, adorned with five dark purple stripes; scutcheon bright blue: abdomen elliptical, green, adorned with white reflections, a little broader, but not longer than the chest; hind borders of the segments blue; last segment brassy green, adorned with golden reflections and clothed with some tawny hairs: legs dark ferruginous, clothed with black hairs and bristles; thighs brassy black, with ferruginous tips; foot-cushions tawny: wings slightly gray; shoulders tawny; wing-ribs pitchy; veins black; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, curved inward along the second quarter of its length, straight from thence to the tip, joining the border a short distance above the tip of the wing; lower cross-vein straight for a very short distance from the base, then having a very slight inward curve, and afterwards a deeper outward curve; scales whitish, with pale yellow borders. Length of the body 4 lines; of the wings 8 lines.

a. Florida. Presented by E. Doubleday, Esq.

Musca Lyrcea, n. s., mas. *Cyaneo-viridis, capite fulvo supra fusco, thorace vittis quatuor canis, scutelli disco purpureo, abdomine æneo-viridi, basi vittâ et segmentorum marginibus posticis cyaneis, palpis fulvis, apice nigris, antennis pedibusque nigris, tibiis ferrugineis, femoribus posterioribus fulvo cinctis, alis subcinereis.*

Body clothed with black hairs and bristles: head covered with a pale yellow bloom on the sides of the face, tawny and clothed with pale yellow hairs on the sides of the peristoma; a deep brown stripe fringed with bristles between the eyelets and the feelers; epistoma prominent; sides of the face beset with very few bristles at the

base: eyes purplish red; fore part flat, composed of larger facets than those elsewhere: sucker black, pitchy and clothed with tawny hairs at the tip; palpi tawny, with black tips, beset with black bristles: feelers black, shorter than the face; second joint dark ferruginous; third joint full four times the length of the second, slightly decreasing in depth from the base to the tip, which is rounded: bristle black, very much longer than the third joint: chest bluish green, tinged with purple on each side, adorned with four broad hoary stripes; breast partly covered with hoary bloom; disk of the scutcheon purple: abdomen elliptical, brassy green, a little shorter than the chest, covered with hoary bloom; a slender blue stripe on the back; its base and the hind borders of the segments also blue: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions pitchy; a broad, dark tawny band round each of the four hinder thighs: wings slightly gray; shoulders tawny; wing-ribs and veins black; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, a little curved inward for a short part of its length, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with an almost imperceptible inward curve along half its length, and having thence to the tip a very slight outward curve; scales pale yellow, with darker borders. Length of the body 3½ lines; of the wings 7 lines.

a. Monte Video. Presented by C. Darwin, Esq.

Musca Verena, n. s., fem. *Purpureo-cyanea, capite nigro supra ferrugineo, thorace vittis quatuor canis, scutello purpureo, abdomine cyaneo-viridi, basi cyaneo, macula utrinque ænea, segmentorum marginibus posticis purpureis, palpis fulvis, antennis pedibusque nigris, femoribus ferrugineo cinctis, tibiis ferrugineis, alis subcinereis.*

Body clothed with black hairs and bristles: head black, covered with pale yellow bloom, tawny and clothed with yellow hairs on each side of the peristoma; a very broad ferruginous stripe fringed with bristles between the eyelets and the feelers; epistoma prominent; sides of the face fringed with very short bristles, and at the base with longer bristles: eyes dark red; fore part flat, and composed of larger facets than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, shorter than the face; second joint ferruginous towards the tip; third joint full thrice the length of the second, flat above, slightly convex beneath, decreasing in depth towards the tip, which is rounded; bristle black, very much longer than the third joint: chest and breast deep purplish blue; chest

adorned with four stripes of hoary reflections; breast slightly covered with hoary bloom; scutcheon intense purple: abdomen elliptical, bright bluish green, a little broader, but not longer than the chest, bright blue at the base, adorned with white reflections, which are most apparent on the under side; hind borders of the segments intense purple; a large coppery spot on each side of the fore border of the third segment: legs black, clothed with black hairs and bristles; a broad pale ferruginous band round each thigh; shanks dark ferruginous; foot-cushions pitchy: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, a little curved inward for a short part of its length, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with an almost imperceptible inward curve along half its length, and having thence to the tip a very slight outward curve; scales dark gray, with tawny borders. Length of the body 4 lines; of the wings 8 lines.

a. Venezuela. From Mr. Dyson's collection.

Musca Bata, n. s. *Æneo-viridis, capite fulvo, scutello cyaneo, abdomine viridi basi et segmentorum marginibus posticis purpureo cyaneis, palpis fulvis, antennis ferrugineis, pedibus nigris, alis limpidis.*

Body beset with a few black hairs and bristles: head tawny, thickly clothed with beneath with pale yellow hairs; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes red, very large; fore part flat, composed of very large facets, and quite distinct from the other part of the eye; sucker pitchy, clothed with pale tawny hairs; palpi tawny, slender, beset with black bristles: feelers pale ferruginous, much shorter than the face; third joint full four times the length of the second, very slightly decreasing in depth from the base to the tip, which is rounded: chest green, slightly covered with white bloom, brassy along the sutures of the segments, and indistinctly striped with that colour in front; scutcheon blue: abdomen green, obconical, shorter than the chest, blue, mixed with purple at the base, and on the hind borders of the segments: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs and veins pitchy; tip cross-vein forming hardly less than a right angle with the fourth longitudinal vein, curved inward for a short part of the length, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two slight curves, the lower inward, longer than the other, which is outward; scales gray, with pitchy borders. *Female.* — Body more green:

feelers darker: eyes widely separated; facets in the fore part much smaller than those of the male. Length of the body 4 lines; of the wings 8 lines.

a. ———?

Musca Combrea, n. s., mas. *Viridis, capite fulvo, scutello purpureo, abdomine cyaneo, suturis purpureis, palpis antennisque fulvis, pedibus nigris, tibiis ferrugineis, alis limpidis.*

Body beset with a few black hairs and bristles: head pale tawny in front, thickly clothed before and beneath with pale yellow hairs; face and epistoma pale ferruginous; each side of the face with a single bristle at the base; epistoma slightly prominent: eyes red, very large; fore part flat, composed of very large facets: sucker black, clothed at the tip with tawny hairs: palpi tawny, beset with black bristles: feelers tawny, a little shorter than the face; third joint linear, rounded at the tip, more than four times the length of the second joint; bristle tawny, a little longer than the third joint: chest green, covered with white bloom; scutcheon bright purple: abdomen blue, not longer than broad, much shorter than the chest, purple on the sutures of the segments: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions tawny: wings colourless; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming a slightly acute angle with the fourth longitudinal vein, curved inward for a short space, straight from thence to the tip; lower cross-vein with two slight curves, the lower inward, the upper outward; scales whitish, with pale tawny borders. *Female.*—More blue than the male; feelers darker. Length of the body 4 lines; of the wings 8 lines..

a. ———? From Mr. Children's collection.

Musca Himella, n. s., mas. *Cyaneo-viridis, purpureo varia, capite fulvo supra nigro subtus cyaneo, palpis fulvis, antennis pedibusque piceis, femoribus cyaneo-nigris, alis limpidis.*

Body beset with a few black hairs and bristles: head black, slightly covered with hoary bloom above, tawny in front, clothed with white hairs beneath, where it is blue and shining; sides of the face beset with bristles at the base; epistoma slightly prominent; facials pale ferruginous: eyes dark red; facets on the fore part a little larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi dark tawny, beset with black bristles: feelers pitchy, a little shorter than the face; second joint ferruginous above at the tip; third joint linear, rounded at the tip, about

four times the length of the second; bristle black, a little longer than the third joint: chest bluish green, tinged with purple on each side and on the scutcheon: abdomen obconical, green, bluish and tinged with purple at the base, a little shorter than the chest, clothed with hoary hairs towards the tip; underside slightly adorned with white reflections: legs pitchy, clothed with black hairs and bristles; thighs bluish black; foot-cushions tawny: wings colourless; wing-ribs pitchy; veins black, pitchy at the base; tip cross-vein forming a right angle with the fourth longitudinal vein, straight near the base, slightly curved inward from thence till near the tip, where it is again straight, joining the border a little above the tip of the wing; lower cross-vein with two slight curves, which are nearly alike in length and depth, the lower inward, the upper outward; scales pale yellow, with whitish borders. Length of the body 4 lines; of the wings 8 lines.

a. ———? From Mr. Children's collection.
b. ———?

Musca Caruca, n. s. *Viridis, capite luteo supra albo micante, thorace albo vittato, scutello abdomineque purpureo-cyaneis, palpis fulvis, antennis pedibusque nigris, femoribus posticis basi fulvis, alis subcinereis.*

Body beset with a few black hairs and bristles: head adorned above with white lustre, bright luteous in front; a dark ferruginous stripe fringed with bristles between the eyelets and the feelers; epistoma slightly prominent; sides of the face fringed with bristles on half the length: eyes pitchy; fore part rather flat, its facets a little larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, much shorter than the face; third joint about four times the length of the second, slightly decreasing in depth from the base to the tip, which is rounded: chest green, adorned with stripes of white lustre; hind part and scutcheon purple, mingled with blue: abdomen obconical, as long as the chest, purplish blue, tinged with green towards the tip: legs black, clothed with black hairs and bristles; foot-cushions tawny; hind thighs tawny at the base: wings slightly gray; shoulders tawny; wing-ribs and veins black; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, curved slightly inward for near half the length, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with an almost imperceptible inward curve along half the length, more distinctly curved outward from thence to the tip; scales yellowish white, with pale yellow borders. Length of the body 4 lines; of the wings 8 lines.

a. Chili. From Mr. Cuming's collection.

Musca Gamelia, n. s., mas. *Cyaneo-viridis, capite fulvo albo micante, thorace albo quadrivittato, scutello abdomineque purpureo-cyaneis, hujus basi cyaneo-viridi, palpis fulvis, antennis piceis, pedibus ferrugineis, femoribus fulvis apice tarsisque nigris, alis subcinereis basi fuscis.*

Body clothed with black hairs and bristles: head adorned with white lustre, tawny in front; epistoma slightly prominent; sides of the face fringed with bristles for near half the length: eyes pitchy; fore part rather flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers pitchy, shorter than the face; third joint nearly thrice the length of the second, slightly decreasing in depth from the base to the tip, which is rounded: chest bluish green, adorned with four broad stripes of white lustre; scutcheon purplish blue: abdomen obconical, purplish blue, bluish green towards the base, a little shorter and broader than the chest: legs ferruginous, clothed with black hairs and bristles; thighs dark tawny, with black tips; feet black; foot-cushions tawny: wings slightly gray, dark brown at the base; wing-ribs and veins black; tip cross-vein forming a very slightly obtuse angle with the fourth longitudinal vein, straight at the base, then very slightly curved inward, and straight again for more than half the length to the tip, joining the border a short distance above the tip of the wing; lower cross-vein with two curves, the first inward and almost imperceptible, the second outward and distinct; scales gray, with pale yellow borders. Length of the body 3½ lines; of the wings 7 lines.

a. Monte Video. Presented by C. Darwin, Esq.

Musca Polisma, n. s., mas. *Viridis, capite anticè fulvo, thorace vittis quatuor nigris, abdominis segmentorum marginibus posticis cyaneo-purpureis, antennis fulvis, pedibus nigris, alis limpidis.*

Body green, clothed with black hairs and bristles: head covered with a white bloom, bright tawny in front, clothed behind and beneath with yellow hairs; epistoma slightly prominent; sides of the face hardly beset with bristles at the base: eyes red; fore part nearly flat, its facets larger than those elsewhere; sucker black, clothed at the tip with tawny hairs: feelers tawny; third joint linear, rounded at the tip, more than four times the length of the second joint; bristle black, deeply fringed, longer than the third joint: chest adorned with four broad black stripes: abdomen obconical, a little shorter and broader than the chest, adorned on each side with white reflections; hind borders of the segments bluish purple: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings colourless; wing-ribs pitchy; veins black; tip cross-vein forming hardly more than a right angle with the

fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; scales white, with pale yellow borders Length of the body 2¾ lines; of the wings 5¼ lines.

a. ———? Presented by the Entomological Club.

Group II. Lucilia, *Desv. Essai Myod.* 452.

Musca Cæsar, *Linn. Syst. Nat.* ii. 989. *Faun. Suec.* 1828. *Gmel. Ed. Syst. Nat.* i. 5, 2838, 64. *Fabr. Sp. Ins.* ii. 437, 10. *Ent. Syst.* iv. 316, 17. *Syst. Antl.* 289, 26. *Reaum. Ins.* iv. *pl.* 8. *f.* 1. *Deg. Ins.* vi. 30, 6. *Schrank, Ins. Austr.* 923. *Faun. Boic.* iii. 2484. *Prossi, Faun. Etrusc.* 462, 1491. *Latr. Gen. Crust.* iv. 345. *Fall. Musc.* 46, 20. *Meig. Dipt.* v. 51, 1. *Zett. Ins. Lapp.* 655, 9. Lucilia Cæsar, *Desv. Essai Myod.* 452, 1. *Macq. Hist. Nat. Dipt.* ii. 252, 3. *Meig. Dipt.* vii. 292, 1, *pl.* 73, *f.* 45. *Zett. Dipt. Scand.* iv. 1312, 1. *Geoff. Ins.* ii. 522, 53. *Berk. Syn.* i. 164. *Harr. Ex.* 87, *pl.* 25, *f.* 23. *Stew. El.* ii. 257. *Turt.* iii. 599. M. fulges? *Harr. Ex.* 87, *pl.* 25, *f.* 21, var.? M. ingredior, *Harr. Ex.* 140, *pl.* 41, *f.* 33, var.? M. redeo, *Harr. Ex.* 146, *pl.* 41, *f.* 34.

a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. France.
d. ———? From Mr. Children's collection.
e. Lapland. Presented by the Entomological Club.
f. North America. From Mr. Children's collection.
g. Massachusetts. From Professor Sheppard's collection.
h. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Musca illustris, *Meig. Dipt.* v. 54, 7. Lucilia illustris, *Macq. Hist. Nat. Dipt.* ii. 255, 16. *Meig. Dipt.* vii. 292, 18. *Zett. Dipt. Scand.* iv. 1317, 6.

a. England.
b. France.
c. ———? From Mr. Children's collection.
d. Naples. Presented by M. A. Pierret.
e. Lapland. Presented by the Entomological Club.
f. Haparanda. Presented by F. Walker, Esq.
g. Alten. Presented by F. Walker, Esq.

Musca sericata, *Meig. Dipt.* v. 53, 3. *Zett. Ins. Lapp.* 655, 10. Lucilia sericata, *Macq. Hist. Nat. Dipt.* ii. 252, 5. *Meig. Dipt.* vii. 292, 2. *Zett. Dipt. Scand.* iv. 1314, 3, var.? Musca cærulescens, *Meig. Dipt.* v. 55, 10. Lucilia cærulescens, *Macq. Hist. Nat. Dipt.* ii. 253, 9. *Meig. Dipt.* vii. 292, 4.

a. England.
b. France.
c. ———?

Musca cornicina, *Fabr. Sp. Ins.* ii. 438, 11. *Ent. Syst.* iv. 317, 20. *Syst. Antl.* 289. 29. *Gmel. Ed. Syst. Nat.* i. 5, 2839, 169. *Fall. Musc.* 47, 21. *Meig. Dipt.* v. 52, 2.? *Zett. Ins. Lapp.* 655, 11. Lucilia cornicina, *Desv. Essai Myod.* 456, 16.? *Macq. Hist. Nat. Dipt.* ii. 254, 13.? *Zett. Dipt. Scaad.* iv. 1316, 5. Musca Cæsarion, *Hoffmansegg, Meig. Dipt.* v. 57, 14. Lucilia Cæsarion, *Macq. Hist. Nat. Dipt.* ii. 255, 19. L. viridescens, *Desv. Essai Myod.* 458, 20. L. aurulum, *Desv. Essai Myod.* 458, 21.

a. England.
b France.
c. ———? From Mr. Children's collection.
d. ———?
e. Lapland. Presented by the Entomological Club.
f. Aix-la-Chapelle. Presented by F. Walker, Esq.

Musca ruficeps, *Meig. Dipt.* v. 55, 8. Lucilia ruficeps, *Macq. Hist. Nat. Dipt.* ii. 252, 6. *Meig. Dipt.* vii. 292, 3. *Zett. Dipt. Scand.* iv. 1314, 2.

a. ———?

Musca azurea. Lucilia azurea, *Desv. Essai Myod.* 455, 10.

a. ———?

Musca indica. Lucilia indica, *Desv. Essai Myod.* 453, 5.

a. ———?

Musca germana. Lucilia germana, *Desv. Essai Myod.* 455, 11.

a. Adelaide. Presented by the Entomological Club.

Musca Pionia, mas. *Cyaneo-viridis, capite argenteo, abdomine aureo-viridi, palpis nigris, antennis pedibusque piceis, alis limpidis.*

Body thickly clothed with black hairs and thinly beset with black bristles: head silvery; a pitchy stripe between the eyelets and the feelers; epistoma prominent; sides of the face fringed with

bristles at the base; sides of the peristoma projecting towards the epistoma: eyes red, nearly meeting on the crown: sucker pitchy, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers pitchy, as long as the face; third joint linear, rounded at the tip, more than four times the length of the second; bristle dark tawny, longer than the third joint: chest green, bluish on each side: abdomen obconical, golden-green, tinged with blue towards the base: legs dark pitchy, clothed with black hairs and bristles: wings colourless; wing-ribs and veins pitchy; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, almost imperceptibly inclined inward along the whole length, joining the border at a short distance above the tip of the wing; lower cross-vein with two very slight curves, the lower short and inward, the other outward and extending from the first to the tip; scales white. Length of the body 2½ lines; of the wings 5 lines.

a. Galapagos. Presented by C. Darwin, Esq.

Musca cuprea. Lucilia cuprea, *Desv. Essai Myod.* 459, 27.
a. France.
b. ——— ?

Musca nigriceps. Lucilia nigriceps, *Macq. Dipt. Exot.* ii. 2 143, 16.
a. Mexico. Presented by E. P. Coffin, Esq.

Musca brunnipes? Lucilia brunnipes? *Macq. Dipt. Ent.* ii. 2, 138, 2, *pl.* 19, *f.* 5.
a. Isle of France.

Musca Heræa, n. s., fem. *Viridis, capite cyaneo-viridi, abdomine æneo-viridi apice æneo, antennis palpis pedibusque nigris, alis subcinereis.*

Body clothed with a few black hairs and bristles: head bluish green, silvery in front; a pitchy stripe between the eyelets and the feelers; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes dark red; fore part convex, its facets a little larger than those elsewhere: sucker and palpi black: feelers black, nearly as long as the face; third joint linear, rounded at the tip, more than thrice the length of the second; bristle longer than the third joint: chest green: abdomen brassy green, shorter and broader than the chest, a little longer than broad, brassy towards the tip: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs and veins black; tip cross-vein joined by an outward curve with the fourth longitudinal vein,

straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, much longer than the other, which is outward; scales dingy white, with pale yellow borders. Length of the body 2½ lines; of the wings 5 lines.

a. North America? Presented by the Entomological Club.

Musca Liris, n. s., fem. *Aureo-viridis, capite antico fulvo, thorace cyaneo-viridi vittis quatuor æneis, abdomine albo micante, antennis luteis, palpis pedibusque fulvis, tarsis nigris, alis subcinereis.*

Body bright golden-green, clothed with black hairs and bristles: head green, adorned with a tawny bloom on the crown, tawny in front, clothed beneath with tawny hairs; a pitchy stripe between the eyelets and the feelers; epistoma very prominent; sides of the face prominent and beset with bristles at the base; sides of the peristoma fringed with bristles: eyes red: sucker black, clothed at the tip with tawny hairs; palpi tawny, slender, slightly club-shaped, beset with black bristles: feelers luteous, very much shorter than the face, which forms a ridge between them; third joint linear, rounded at the tip, more than twice the length of the second joint; bristle black, downy, more than twice the length of the third joint: chest adorned with four slender brassy stripes; a bluish tinge on its disk, especially on the scutcheon, where it is mingled with purple: abdomen golden-green, a little shorter and broader than the chest, slightly adorned with white reflections; its bristles longest towards the tip: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions pale yellow: wings slightly gray, tawny at the base; wing-ribs tawny; veins pitchy, tawny at the base; tip cross-vein a little within the perpendicular to the fourth longitudinal vein, with which it is joined by an outward curve, slightly curved inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein with two curves, the lower inward and very slight, separated by a straight interval from the other, which is outward and more distinct; scales whitish, with pale tawny borders. Length of the body 5 lines; of the wings 11 lines.

a. ———?

Musca Sarsina, fem. *Aureo-viridis, capite thoracis lateribus scutelloque purpureis, abdomine purpureo, disco postica viridi, palpis antennis pedibusque nigris, femoribus viridi-purpureis, alis limpidis.*

Body beset with black hairs and bristles: head chiefly purple, tinged with blue and green, adorned with white lustre in front; a

pitchy stripe between the eyelets and the feelers; epistoma slightly prominent; sides of the face without bristles: eyes pitchy: sucker and palpi black, the latter beset with black bristles: feelers black, much shorter than the face; third joint flat above, slightly convex beneath, very obliquely truncated at the tip, more than twice the length of the second joint: chest golden green on the disk, blue tinged with purple on the borders; scutcheon bright purple: abdomen purple, obconical, a little broader and longer than the chest; disk of the hinder part green: legs black, clothed with black hairs and bristles; thighs purple, varied with green; foot-cushions pitchy: wings colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, almost straight along the whole length, joining the border a little above the tip of the wing; lower cross-vein straight at the base and at the tip, the whole middle part being occupied by a long, slight, inward curve; scales whitish, with tawny borders. Length of the body 3½ lines; of the wings 7 lines.

a. South Africa. Presented by Dr. A. Smith.
b. ———?

Musca Fucina, n. s. *Aureo-viridis, capite albo micante supra piceo, abdominis basi cyaneo-viridi apice aureo, palpis antennisque piceis, pedibus nigris, alis limpidis.*

Body clothed with black hairs and bristles: head adorned with white lustre; a pitchy stripe between the eyelets and the feelers; epistoma tawny, slightly prominent; sides of the face fringed with bristles at the base; eyes pitchy: sucker and palpi pitchy: feelers pitchy, a little shorter than the face; third joint full thrice the length of the second, slightly decreasing in depth from the base to the tip, which is rounded; bristle black, very much longer than the third joint: chest golden green, slightly tinged with white bloom: abdomen obconical, golden green, bluish green at the base, golden at the tip, a little broader and longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, irregularly and very slightly curved inward along the whole length, joining the border at a short distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, a little shallower than the other, which is outward; scales whitish. Length of the body 4 lines; of the wings 7 lines.

a. South Africa. Presented by Dr. A. Smith.

Musca Phellia, n. s., fem. *Cyaneo-viridis albo tecta, capite supra nigro, scutello cyaneo, palpis fulvis, antennis luteis, pedibus piceis, femoribus nigro-viridibus, alis limpidis.*

Body thinly clothed with black hairs and bristles: head thickly covered with white bloom, which is least apparent on the black stripe between the eyelets and the feelers, thinly clothed beneath with pale yellow hairs; epistoma tawny, slightly prominent; sides of the face beset with a very few bristles at the base: eyes coppery red; fore part flat, composed of larger facets than those elsewhere; sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers bright luteous, as long as the face; third joint about six times the length of the second, linear, rounded at the tip; bristle tawny, longer than the third joint, feathered with black hairs: chest bluish green, covered with white bloom, which is interrupted in front by two stripes; scutcheon blue: abdomen greenish blue, a little longer than broad, rather shorter and broader than the chest, covered at the tip and beneath with white bloom: legs pitchy; thighs blackish green; foot-cushions pale tawny: wings colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, quite straight from the base to tip, joining the border a little above the tip of the wing; lower cross-vein slightly waving along its whole length, in which it forms four curves; scales white. Length of the body 4 lines; of the wings 8 lines.

a. North Bengal. From Miss Campbell's collection.

Musca Racilia, n. s. *Viridis, capite nigro subtus purpureo, thorace vittis æneis, scutello cyaneo, abdomine cyaneo-viridi, antennis piceis basi nigris, palpis pedibusque nigris, alis fusco-cinereis.*

Body black, beset with a few black hairs and bristles: head black above, purple varied with blue and green beneath; epistoma prominent; sides of the face beset with bristles at the base: eyes pitchy; fore part flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint pitchy, linear, rounded at the tip, more than thrice the length of the second joint; bristle black, longer than the third joint: chest green, adorned with indistinct brassy stripes; hind part and scutcheon blue: abdomen bluish green, obconical, a little shorter and broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray, dark brown at the base, and along the fore borders and on the sides of the veins; wing-ribs and veins black; tip cross-vein forming an obtuse angle with the fourth

longitudinal vein, to which it is joined by an outward curve, very slightly curved inward near the base, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, less distinct than the other, which is outward; scales tawny. Length of the body 3½ lines; of the wings 7 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Musca Lagyra, n. s. *Purpureo-cyaneus, capite cano micante, abdominis apice viridi, palpis piceis, antennis pedibusque nigris, femoribus nigro-cyaneis, alis limpidis.*

Body beset with a few black hairs and bristles: head adorned with hoary lustre; epistoma ferruginous, prominent; sides of the face fringed with bristles for half the length from the base: eyes dark red; fore part flat, its facets a little larger than those elsewhere; sucker pitchy, clothed at the tip with tawny hairs; palpi pitchy, beset with black bristles: feelers black, nearly as long as the face; third joint linear, rounded at the tip, more than four times the length of the second joint; bristle longer than the third joint: chest bright blue, slightly tinged with purple; breast bluish purple: abdomen purplish blue, a little shorter and broader than the chest, green towards the tip: legs black, clothed with black hairs and bristles; thighs bluish black; foot-cushions pitchy: wings colourless; wing-ribs and veins tawny; veins black towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, almost imperceptibly curved inward along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, not half the length of the other, which is outward; scales whitish, with pale yellow borders. Length of the body 4 lines; of the wings 9 lines.

a. Fayal. From Mr. Children's collection.

Musca Cluvia, n. s. *Cyaneo-cinerea, capite fulvo, scutello abdomineque cyaneo-purpureis, hujus lateribus viridi variis, palpis antennisque fulvis, pedibus piceis, alis sublimpidis.*

Body clothed with black hairs and beset with a few black bristles: head tawny, slightly covered with white bloom; a pitchy stripe between the eyelets and the feelers: epistoma slightly prominent; sides of the face fringed with bristles for half the length from the base: eyes red; fore part flat, composed of larger facets than those elsewhere: sucker pitchy, clothed at the tip with tawny hairs; palpi slender, pale tawny, beset with black bristles: feelers tawny, nearly as long as the face; third joint linear, more than four times

the length of the second joint, tinged with brown towards the tip, which is rounded; bristle tawny, longer than the third joint, feathered with black hairs: chest bluish gray, slightly covered with white bloom; breast tinged with purple; scutcheon bluish purple: abdomen oboonical, purple mingled with blue and on each side with green: legs pitchy, clothed with black hairs and bristles; knees and foot-cushions tawny: wings nearly colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein straight for most of its course, almost imperceptibly curved inward at the base and outward at the tip: scales gray, with pale yellow borders. Length of the body 3 lines; of the wings 6 lines.

a. West India. From Mr. Children's collection.

Musca Maronea, n. s., fem. *Aureo-viridis, capite nigro, palpis antennis pedibusque nigris, alis subcinereis.*

Body beset with a few black hairs and bristles: head dull black; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes dark pitchy; fore part convex, its facets small: sucker and palpi black: feelers black, nearly as long as the face; third joint linear, truncated at the tip, full thrice the length of the second joint; bristle black, longer than the third joint: chest and abdomen golden green: abdomen rather shorter and broader than the chest, its length but little exceeding its breadth: legs black, clothed with black hairs and bristles; foot-cushions pitchy; wings slightly gray; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein joined by an outward curve with the fourth longitudinal vein, straight from thence till near the tip, where it is very slightly inclined inward; lower cross-vein straight, with the exception of a very slight inward curve in the middle part of its course; scales dingy white, with pale tawny borders. Length of the body 2¼ lines; of the wings 5 lines.

a. New Holland. Presented by J. Hunter, Esq.

Musca Donysa, n. s., fem. *Viridi-cyanea, capite nigro, thoraci vittis purpureis, scutello purpureo cyaneo, abdomine viridi, antennis piceis basi nigris, palpis pedibusque nigris, alis limpidis.*

Body clothed with black hairs and bristles: head black; epistoma prominent; sides of the face fringed with bristles at the base: eyes bright red; fore part convex, its facets a little larger than those elsewhere: sucker black, clothed at the tip with tawny

hairs; palpi black, beset with black bristles: feelers black, as long as the face; third joint pitchy, slender, linear, rounded at the tip, about four times the length of the second; bristle much longer than the third joint: chest greenish blue, striped with purple; hind part blue, tinged with purple: breast green, adorned with blue and purple: abdomen bright green, hardly longer than broad, a little broader and much shorter than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings colourless; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein joined by an outward curve with the fourth longitudinal vein, straight from thence till near the tip, where it is almost imperceptibly curved inward; lower cross-vein curved inward; scales white, with pale yellow borders. Length of the body 2½ lines; of the wings 5 lines.

a. New Holland. Presented by J. Hunter, Esq.

Musca Solaia, n. s., fem. *Viridis, capite albo micante, thorace vittis duabus cyaneis; scutello cyaneo-viridi, abdominis basi et segmentorum 2° et 3° marginibus posticis purpureo-cyaneis, palpis antennisque fulvis, pedibus piceis, tibiis ferrugineis, alis sublimpidis.*

Body beset with a few black hairs and bristles: head covered with white lustre; a pitchy stripe fringed with bristles between the eyelets and the feelers; epistoma tawny, slightly prominent; sides of the face beset with bristles for near half the length from the base: eyes red; fore part flat, composed of larger facets than those elsewhere: sucker pitchy, clothed at the tip with pale tawny hairs; palpi tawny, beset with black bristles: feelers dull tawny, as long as the face; third joint nearly linear, very slightly convex above, flat beneath, rounded at the tip, full four times the length of the second joint; bristle dark tawny, feathered with black hairs, much longer than the third joint: chest green, slightly covered with white bloom, adorned with two indistinct blue stripes; scutcheon bluish green: abdomen green, obconical, equal to the chest in length and breadth; first segment and hind borders of the two following segments dark purplish blue: legs pitchy, clothed with black hairs and bristles; shanks ferruginous; foot-cushions tawny: wings nearly colourless; wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, almost straight, but with an indistinct inward curve along the whole length, joining the border a little above the tip of the wing; lower cross-vein nearly straight, but having slight traces of the two usual curves; scales white, with pale yellow borders. Length of the body 3 lines; of the wings 6 lines.

a. ——— ?

Musca Proerna, n. s., fem. *Viridis, purpureo et cyaneo varia, palpis antennisque fulvis, pedibus nigris, alis limpidis basi subfulvis.*

Body beset with black hairs and bristles: head blue, tinged with purple, green and covered with white bloom in front; crown broad; a pitchy stripe between the eyelets and the feelers; epistoma not prominent; face pitchy, its sides beset with bristles at the base: eyes red; fore part flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, nearly as long as the face; third joint slender, linear, conical at the tip, more than four times the length of the second joint; bristle tawny, feathered with tawny hairs, longer than the third joint: chest green; cross-suture brassy; hind part and scutcheon blue, mingled with purple: abdomen obconical, broader and a little shorter than the chest, tinged with blue and purple at the tip: legs black, clothed with black hairs and bristles; foot-cushions pale yellow: wings quite colourless, pale tawny at the base; wing-ribs and veins pale tawny; tip cross-vein joined to the fourth longitudinal vein by an outward curve, very slightly curved inward from thence to the tip, joining the border a very little above the tip of the wing; lower cross-vein very slightly curved outward at the base and at the tip, its middle part occupied by a slight inward curve; scales buff. Length of the body 3 lines; of the wings 6 lines.

a. ——— ?

Musca muralis, *Barnston's MSS. Viridis, cyaneo purpureoque varia, capite nigro, palpis ferrugineis, antennis pedibusque nigris, femoribus cyaneis, alis subcinereis.*

Body beset with a few black hairs and bristles; head black; epistoma tawny, prominent; sides of the face tawny, fringed with bristles towards the base: eyes bright red; fore part rather flat, composed of larger facets than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi pale ferruginous, beset with black bristles: feelers black, as long as the face; third joint rather deep, linear, truncated at the tip, full four times the length of the second joint; bristle much longer than the third joint: chest and abdomen green, mingled with blue and purple: abdomen obconical, a little shorter but hardly broader than the chest: legs black, clothed with black hairs and bristles; thighs blue; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein

with two extremely slight curves, the lower inward, not more than half the length of the other, which is outward, and sometimes almost imperceptible; scales white, with yellow borders. Length of the body 4 lines; of the wings 8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Musca purpurascens, *Walker, Linn. Trans.* xvii. 355, 64.
a. St. Catherine, Brazil. Presented by the Entomological Club.

Musca Phara, n. s., fem. *Purpurea, capite albo micante, palpis antennis pedibusque nigris, femoribus purpureis, alis limpidis.*

Body bright purple, clothed with black hairs and bristles: head prominent in front, adorned with white lustre in front and on the pitchy stripe between the eyelets and the feelers; epistoma slightly prominent; sides of the face fringed with stout bristles along the whole breadth: eyes dark red: fore part flat, its facets much larger than those elsewhere: sucker black, clothed at the tip with a few tawny hairs; palpi black, beset with black bristles: feelers black, with a hoary tinge, a little shorter than the face; third joint linear, rounded at the tip, nearly thrice the length of the second joint; bristle very much longer than the third joint: abdomen obconical, a little broader and shorter than the chest: legs black, clothed with black hairs and bristles; thighs purple; foot-cushions tawny: wings colourless; wing-ribs pitchy; veins black; tip cross-vein forming with the fourth longitudinal vein a very obtuse angle, which is somewhat rounded, straight thence to the tip, joining the border a short distance above the tip of the wing; lower cross-vein with two slight curves, the lower inward, more distinct than the other, which is outward; scales whitish, with pale yellow borders. Length of the body 4 lines; of the wings 8 lines.

a. ———?

Musca Mazaca, n. s., fem. *Purpurea, thoracis abdominisque discis cyaneo-viridibus, palpis antennis pedibusque nigris, femoribus cyaneo-purpureis, alis limpidis.*

Body beset with a few black hairs and bristles: head purple, with a silvery covering in front; a black stripe between the eyelets and the feelers; epistoma rather prominent; sides of the face prominent at the base, fringed with bristles along the whole length: eyes pitchy; fore part slightly convex, its facets larger than those elsewhere: sucker and palpi black, the latter beset with black bris-

tles: feelers black, much shorter than the face; third joint hardly more than twice the length of the second, flat above, slightly convex beneath, obliquely truncated at the tip: bristle very stout, nearly twice the length of the third joint: chest and breast purple; disk of the chest bluish green: abdomen purple, obconical, broader and a little shorter than the chest; its disk above and beneath partly bluish green: legs black, clothed with black hairs and bristles; thighs bluish purple: wings colourless; wing-ribs tawny; veins black, tawny at the base; tip cross-vein joined by an outward curve with the fourth longitudinal vein, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein straight for some space from the base, thence slightly curved inward till near the tip, where it has an equally slight, but very short outward curve; scales white, with pale yellow borders. Length of the body 3 lines; of the wings 7 lines.

a. Cape.

Group III. Pyrellia, *Desv. Essai Myod.* 462.

Musca Marsya, n. s. *Cyanea, thorace antico vittis duabus purpureis, abdominis apice fulvo, palpis antennis pedibusque nigris, alis subcinereis.*

Body bright deep blue, clothed with black hairs and bristles: head black, purple in front; epistoma not prominent; sides of the face fringed with bristles for two-thirds of the length: eyes dark red; facets on the fore part larger than those elsewhere: sucker black, pitchy and clothed with a few tawny hairs at the tip; palpi black, long, slender, subclavate, beset with black bristles: feelers black, a little shorter than the face; third joint linear, full four times the length of the second, rounded at the tip; bristle feathered till near the tip, nearly twice the length of the third joint: chest adorned on the fore part with two purple stripes: breast slightly covered with white bloom: abdomen obconical, not longer nor broader than the chest, purplish at the base, bright tawny at the tip, near which there is a gray tinge on each side: legs black, clothed with black hairs and bristles; knees dark ferruginous; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein united with the fourth longitudinal vein by a shallow outward curve, having an almost imperceptible inward curve towards the tip, joining the border a very little above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, more distinct than the other, which is outward; scales gray, with brown borders. Length of the body 4 lines; of the wings 8 lines.

a. ——? From Mr. Children's collection.

Musca Brœsia, n. s. *Purpurea, antennis palpis pedibusque nigris, alis subcinereis.*

Body bright purple, clothed with black hairs and bristles: epistoma not prominent; sides of the face beset with bristles at the base: eyes dark red; fore part flat, its facets larger than those elsewhere: sucker and palpi black: feelers black, nearly as long as the face; third joint linear, rounded at the tip, full thrice the length of the second; bristle very much longer than the third joint: abdomen obconical, a little shorter and broader than the chest: legs black, clothed with black hairs and bristles: wings slightly gray; wing-ribs and veins black; tip cross-vein united by a rather deep curve with the fourth longitudinal vein, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, longer than the other, which is outward; scales white, with pale yellow borders. Length of the body 3 lines; of the wings 7 lines.

a. South Africa. Presented by Dr. A. Smith.

Musca Seplasia, n. s., mas. et fem. *Purpurea, capite nigro, thorace antico cano vittato, abdomine cyaneo, palpis antennis pedibusque nigris, alis limpidis.*

Body clothed with black hairs and bristles: head black; epistoma dark ferruginous, slightly prominent; sides of the face beset with bristles at the base: eyes red; fore part nearly flat, its facets — especially in the male — larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, rounded at the tip, full four times the length of the second joint; bristle deeply feathered, much longer than the third joint: chest purple; middle of the fore part adorned with an indistinct broad hoary stripe: abdomen obconical, blue, shorter but hardly broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs pitchy; veins black; tip cross-vein united with the fourth longitudinal vein by a very shallow curve, straight from thence till near the tip, where it is almost imperceptibly curved inward, joining the border a very little above the tip of the wing; lower cross-vein straight, with the exception of an extremely slight curve in the middle of its course; scales white. Length of the body 3 lines; of the wings 6 lines.

a. ——— ?

Musca serena, *Meig. Dipt.* v. 59, 18. *Zett. Ins. Lapp.* 656, 3, var. *a*. Lucilia serena, *Macq. Hist. Nat. Dipt.* ii. 258, 32. Pyrellia serena, *Meig. Dipt.* vii. 298, 2. *Zett. Dipt. Scand.* iv. 1322, 3.

a. England.

Group IV. Phormia, *Desv. Essai Myod.* 465.

Musca mollis, Barnston's MSS. *Viridis, abdomine cyaneo-viridi purpureo vario, pedibus nigris, alis cinereis.*

Head wanting: chest and abdomen clothed with black hairs and bristles: chest dark green: abdomen elliptical, longer than the chest, bluish green, tinged with purple: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs and veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward, straight in the latter part of its course, joining the border a little above the tip of the wing; lower cross-vein almost straight for near half its length, curved outward from thence to the tip; scales yellow. Length of the body 2¾ lines; of the wings 5½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

F. Muscidæ cæruleæ, *Desv. Essai Myod.* 429.

Group I. Mufetia, *Desv. Essai Myod.* 431.

Group II. Achias, *Bosc. Fabr. Syst. Antl.* 247.

Group III. Calliphora, *Desv. Essai Myod.* 433.

Musca Gulo, *Fabr. Syst. Antl.* 283, 2. *Wied. Auss. Zweif.* ii. 384, 1. Calliphora Gulo, *Macq. Hist. Nat. Dipt.* ii. 263, 7.

a. ——— ? From Mr. Children's collection.

Musca vomitoria, *Linn. Syst. Nat.* ii. 989. *Faun. Suec.* 1831. *Reaum. Ins.* iv. *pl.* 12, 24. *De Geer, Ins.* vi. 57, 4. *Roesel Ins.* ii. *pl.* 9, 10. *Geoff. Ins.* ii. 524, 59. *Schrank. Ins. Austr.* 926. *Harr. Ex.* 86, *pl.* 25, *f.* 18. *Berk. Syn.* i. 164. *Shaw, Gen. Zool.* vi. 383, *pl.* 107, *f. infr. Panz. Faun. Germ.* x. 19. *Fall. Musc.* 47, 22. *Meig. Dipt.* v. 60, 21, vii. 300, 1. *Dahlb. Skand. Ins.* 318, 217, *pl.* 2, *f.* 23. *Zett. Ins. Lapp.* 656, 14. *Dipt. Scand.* iv. 1328, 1. M. carnivora, *Fabr. Ent. Syst.* iv. 313, 4. *Syst. Antl.* 285, 5. M. mortuorum, *Fabr. Syst.*

Antl. 290, 32. Volucella vomitoria, *Schrank, Faun. Boic.* iii. 2488. Calliphora fulvibarbis, *Desv. Essai Myod.* i. 434. *Macq. Hist. Nat. Dipt.* ii. 262, 3.
a. England.
b. France.

Musca erythrocephala, *Meig. Dipt.* v. 62, 22, vii. 300, 2. *Zett. Ins. Lapp.* 656, 15. *Dipt. Scand.* iv. 1329, 2. M. carnaria, *Deg. Ins.* vi. 29, 4. *Herbst. Gem. Nat.* viii. 107. M. vomitoria minimus? *Harr. Ex.* 87, *pl.* 25, *f.* 22, 10. Calliphora vomitoria, *Desv. Essai Myod.* 435, 3. *Macq. Hist. Nat. Dipt.* ii. 262, 2. *pl.* 16, *f.* 6.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.
d. Lapland. Presented by the Entomological Club.
e. Stockholm. Presented by F. Walker, Esq.
f. Haparanda. Presented by F. Walker, Esq.
g. Alten. Presented by F. Walker, Esq.
h. Aix-la-Chapelle. Presented by F. Walker, Esq.

Musca Spitzbergensis. Calliphora Spitzbergensis, *Desv. Essai Myod.* 435, 6.
a. Spitzbergen.

Musca quadrimaculata, *Swed. Stock. Nya Handl.* viii. 289, 49.
a. New Zealand. Presented by Dr. Sinclair.

Musca cadaverum, *Kirby, North Amer. Zool. Ins.* 316, 1.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Musca aurulans. Calliphora aurulans, *Desv. Essai Myod.* 437, 11.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Musca compressa. Calliphora compressa, *Desv. Essai Myod.* 438, 16.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Musca vicina. Calliphora vicina, *Desv. Essai Myod.* 435, 5.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

Musca Lilæa, n. s., fem. *Nigra, canescens, capite ferrugineo fulvoque vario, abdomine purpureo apice cyaneo, palpis rufo-fulvis, antennis nigris, pedibus ferrugineis, tarsis nigris, alis cinereis.*

Allied to *M. vomitoria*, but not more than half the size: body clothed with black hairs and bristles: head black, ferruginous about the base of the feelers, tawny on each side of the face; epistoma tawny, prominent; sides of the face fringed with bristles for more than half the length from the base: eyes brassy red; fore part slightly convex, its facets small: sucker black, clothed at the tip with tawny hairs; palpi reddish tawny, beset with black bristles: feelers black, as long as the face; second joint ferruginous; third joint soft, deep, linear, rounded at the tip, full four times the length of the second; bristle longer than the third joint: chest black, tinged with hoary bloom: abdomen elliptical, bright purple, tinged with hoary bloom, blue towards the tip, much broader and a little longer than the chest: legs dark ferruginous, clothed with black hairs and bristles; feet black; foot-cushions dark tawny: wings gray; wing-ribs and veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at a short distance above the tip of the wing; lower cross-vein with the two usual curves, which are very indistinct; scales gray, with dingy white borders. Length of the body 3—3½ lines; of the wings 7—8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Musca Hortona, n. s., fem. *Cinereo-nigra, abdomine cyaneo, apice subtus purpureo, antennis piceis, palpis pedibusque nigris, alis cinereis.*

Body black, dull, clothed with black hairs and bristles: crown flat, very broad; epistoma not prominent; sides of the face bristly at the base: eyes coppery; fore part convex, its facets very small: sucker black, clothed at the tip with tawny hairs; palpi black: feelers pitchy; second joint ferruginous; third joint decreasing in depth from the base to the tip, which is conical, full four times the length of the second; bristle black, very much longer than the third joint: chest tinged with gray: abdomen bright blue, obconical, much broader, but hardly longer than the chest; tip tinged with purple beneath: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs and veins black; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight

from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, shorter than the other, which is outward; scales gray, with dull, pale yellow borders. Length of the body 3 lines; of the wings 7 lines.

a. New Zealand. Presented by Dr. Sinclair.

Musca equestris, *Meig. Dipt.* v. 57, 13. Lucilia equestris, *Macq. Hist. Nat. Dipt.* ii. 253, 10.

a. England.
b. France.
c. Lapland. Presented by the Entomological Club.

Musca viridescens. Calliphora viridescens, *Desv. Essai Myod.* 437, 12.

a. Florida. Presented by E. Doubleday, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

Musca chrysorrhæa, *Meig. Dipt.* v. 68, 20. Calliphora chrysorrhæa, *Macq. Hist. Nat. Dipt.* ii. 263, 4.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group IV. Melinda, *Desv. Essai Myod.* 439.

Musca cærulea, *Meig. Dipt.* v. 63, 23. M. cognata, *Meig. Dipt.* vi. 374, vii. 300, 4. Melinda cærulea, *Desv. Essai Myod.* 439, 1. Calliphora cærulea? *Macq. Hist. Nat. Dipt.* ii. 264, 8. Sarcophaga cærulea, *Zett. Dipt. Scand.* iv. 1310, 30.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Musca Ilerda, n. s., fem. *Nigra, capite aureo micante, abdomine purpureo-cyaneo, palpis fulvis, antennis piceis, pedibus nigris, alis subcinereis.*

Body beset with a few black hairs and bristles: head black, adorned with gold lustre in front; facials and epistoma pale ferruginous, the latter prominent: sides of the face fringed with bristles for more than half the length: eyes dark red; fore part slightly convex, its facets small: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers pitchy, shorter than the face; second joint ferruginous above; third joint nearly four times the length of the second, deep, nearly linear, truncated at the tip; bristle much more than twice the length of the third joint,

feathered for three-fourths of the length: chest black: abdomen blue, nearly elliptical, tinged with purple, broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inwards along the whole length, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales gray, with yellowish white borders. Length of the body 3 lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Musca Phauda, n. s., mas. *Cyanea, capite fulvo, thoraci fasciis æneis viridibusque, abdomine cyaneo-viridi apice purpureo, antennis piceis, basi palpisque fulvis, pedibus ferrugineis, femoribus cinereo-piceis, alis subcinereis.*

Body clothed with black hairs and bristles: head yellowish brown above, bright tawny on the crown, clothed beneath with bright yellow hairs; epistoma slightly prominent; sides of the face fringed with bristles on nearly the whole length: eyes dark red; fore part nearly flat, its facets larger than those elsewhere: sucker pitchy, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, shorter than the face; second joint armed with a stout bristle; third joint pitchy, tawny at the base, decreasing in depth from the base to the tip, which is rounded, near four times the length of the second joint; bristle rather less than twice the length of the third joint, very stout for less than half the length from the base: chest blue, covered with white bloom, adorned with bronze and green bands: abdomen elliptical, shorter than the chest, bluish green, tinged with purple towards the tip: legs dark ferruginous, clothed with black hairs and bristles; thighs pitchy, tinged with gray; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly curved inward for more than half the length, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two deep curves, the lower inward, the upper outward; scales gray, with pale borders. Length of the body 3 lines; of the wings 6 lines.

a. Galapagos. Presented by C. Darwin, Esq.

Musca Icela, n. s., fem. *Nigra, thorace vittis cinereis, abdomine cyaneo-purpureo, palpis fulvis, antennis nigris, ferruginco cinctis, pedibus nigris, alis cinereis.*

Body clothed with black hairs and bristles: head covered with hoary bloom, adorned above with a tawny covering on each side of the crown; epistoma slightly prominent; sides of the face beset with bristles for one-third of the length: eyes dark red; facets on the fore part rather larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, as long as the face; tip of the second joint and base of the third joint ferruginous; third joint linear, nearly truncated at the tip, about four times the length of the second; bristle much longer than the third joint: chest black, adorned with gray stripes: breast tinged with gray: abdomen elliptical, brilliant purple, mingled with blue, a little shorter and broader than the chest: legs black, clothed with black hairs and bristles; thighs tinged with gray; knees ferruginous; foot-cushions pitchy: wings gray; wing-ribs and veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, having a short and extremely shallow inward curve near the base, straight from thence to the tip, joining the border a little above the tip of the wing; lower cross-vein with two slight curves, the lower inward, the other outward; scales gray, with dingy white borders. Length of the body 2¾ lines; of the wings 6 lines.

a. New Zealand. Presented by Dr. Sinclair.

Musca Thuscia, n. s., fem. *Cinereo-nigra, capite antico fulvo, abdomine purpureo albo-micante, palpis fulvis, antennis nigris fulvocinctis, pedibus nigris, alis cinereis.*

Body clothed with black hairs and bristles: head ferruginous on the crown, tawny in front, black with a hoary tinge behind and beneath; epistoma prominent; sides of the face fringed with bristles on nearly the whole length: eyes red; fore part slightly convex, its facets small: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, nearly as long as the face; tip of the second joint and base of the third joint tawny; third joint deep, soft, nearly linear, rounded at the tip, more than four times the length of the second joint: chest and breast black, tinged with gray: abdomen elliptical, purple with white reflections, much broader but not longer than the chest: legs black, clothed with black hairs and bristles; thighs tinged with gray; knees ferruginous; foot-cushions pitchy: wings gray; wing-ribs pitchy; veins black; tip cross-vein forming a very slightly acute angle

with the fourth longitudinal vein, much curved inward near the base, straight towards the tip, joining the border a little above the tip of the wing; lower cross-vein with two slight curves, the lower inward, shorter than the other, which is outward; scales very dark gray, with dingy white borders. Length of the body 5 lines; of the wings 10 lines.

a. Fayal. From. Mr. Children's collection.

Musca Metilia, n. s., mas. *Cinereo-nigra, scutello cyaneo, abdomine cyaneo-nigro, palpis fulvis, antennis pedibusque nigris, alis limpidis basi subfuscis.*

Body clothed with black hairs and bristles: head black, ferruginous on each side of the epistoma, which is tawny and slightly prominent; sides of the face fringed with bristles at the base: eyes red; fore part nearly flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers black, as long as the face; third joint linear, truncated at the tip, full four times the length of the second; chest and breast black, tinged with gray: scutcheon dark blue: abdomen elliptical, bluish black, a little broader but not longer than the chest: legs black, clothed with black hairs and bristles: wings colourless, brownish at the base; wing-ribs and veins dark tawny; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward, joining the border a little above the tip of the wing; lower cross-vein with a very slight inward curve, almost straight from thence to the tip; scales yellowish white, with yellow borders. Length of the body 4 lines; of the wings 8 lines.

a. Nepaul. From the Hardwicke bequest.

Musca Pandia, n. s., fem. *Nigro-cinerea, thorace nigro-quadrivittato, abdomine albo-viridi, antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head very prominent about the base of the feelers, adorned in front with tawny lustre, and along the outer borders of the eyes with hoary lustre, which communicates with the sides of the face; a broad pitchy furrowed stripe between the eyelets and the feelers; epistoma not prominent; sides of the face ferruginous, fringed with bristles at the base: eyes red; fore part slightly convex, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black (?): feelers black, shorter than the face; third joint flat above, slightly convex beneath, rounded at the tip, less than twice

the length of the second joint: bristle very slender, stout at the base, feathered for more than half the length, more than twice the length of the third joint: chest and breast tinged with gray: chest adorned with four slender indistinct black stripes: abdomen green, tinged with white bloom, a little broader but not longer than the chest; first segment dull black: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein straight, forming a very obtuse angle with the fourth longitudinal vein, joining the border a very little above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 2½ lines; of the wings 6 lines.

a. France?

Musca Unxia, n. s., mas. *Nigro-cinerea, capite antico ferrugineo, abdomine cyaneo-viridi, palpis fulvis, antennis ferrugineis, pedibus nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head ferruginous and covered with white bloom in front; epistoma not prominent; sides of the face fringed with bristles for one-third of the length: eyes red; fore part convex, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny, beset with black bristles: feelers ferruginous, shorter than the face; third joint more or less pitchy, flat above, slightly convex beneath, truncated at the tip, full twice the length of the second joint; bristle ferruginous, feathered with long hairs, about twice the length of the third joint: chest and breast dull black, slightly tinged with gray: abdomen obconical, bluish green, slightly tinged with white, not longer nor broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny; wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the upper outward; scales slightly gray, with tawny borders. Length of the body 2 lines; of the wings 4 lines.

Var. *β*. Tip cross-vein straight.

a. Italy. From Dr. Leach's collection.
b. France?

B. Muscidæ Armentariæ, *Desv. Essai Myod.* 390.

Group I. Plaxemya, *Desv. Essai Myod.* 392.

Group II. Byomya, *Desv. Essai Myod.* 392.

Group III. Sphora, *Desv. Essai Myod.* 394.

Group IV. Musca, *Desv. Essai Myod.* 394.

Musca corvina, *Fabr. Sp. Ins.* ii. 440, 21. *Fabr. Ent. Syst.* iv. 320, 31. *Syst. Antl.* 294, 49. *Gmel. Ed. Syst. Nat.* i. 5, 2841, 180. *Fall. Musc.* 48, 25. *Meig. Dipt.* v. 69, 32, vii. 300, 17. *Desv. Essai Myod.* 396, 4. *Macq. Hist. Nat. Dipt.* ii. 266, 4, *pl.* 16, *f.* 17. *Zett. Ins. Lapp.* 659, 23. *Dipt. Scand.* iv. 1336, 8. M. ludifica, *Fabr. Ent. Syst.* iv. 323, 46. *Syst. Antl.* 298, 73. *Panz. Faun. Germ.* 105, 13. M. autumnalis, *Deg. Ins.* vi. 41, 12. M. nigripes, *Panz. Faun. Germ.* lx. 13. M. Tau, *Schrank, Ins. Austr.* 458, 931.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.
d. Aix-la-Chapelle. Presented by F. Walker, Esq.
e. Malta.
f. Nova Scotia. From Lieut. Redman's collection.

Musca vitripennis *Meig. Dipt.* v. 73, 38, *pl.* 43, *f.* 34.

a. England.

Musca domestica, *Linn. Syst. Nat.* ii. 990. *Faun. Suec.* 1833. *Gmel. Ed. Syst. Nat.* i. 5, 2841, 69. *Fabr. Sp. Ins.* ii. 436, 7. *Ent. Syst.* iv. 315, 11. *Syst. Antl.* 287, 18. *Deg. Ins.* vi. 35, 10, *pl.* 4, *f.* 5—10. *Geoff. Ins.* ii. 528, 66. *Schell. Gen. Mouch. pl.* 1. *Schrank, Ins. Austr.* 928. *Faun. Boic.* iii. 2490. *Harr. Ex.* 142, *pl.* 41, *f.* 44. *Berk. Syn.* i. 165. *Stew, El.* ii. 258. *Turt.* iii. 598. *Fall. Musc.* 49, 26. *Meig. Dipt.* v. 67, 31. *Desv. Essai Myod.* 398, 10. *Dahlb. Scand. Ins.* 319, 218. *Macq. Hist. Nat. Dipt.* ii. 1335, 7. *Zett. Ins. Lapp.* 659, 24. *Dipt. Scand.* iv. 1335, 7.

a. England.
b France.
c. ——— ? From Mr. Children's collection.
d. Lapland. Presented by the Entomological Club.

Musca australis, *Macq. Voy. de Léguillon, Dipt. Exot.* ii. 3, 152, 6, *pl.* 20, *f.* 10.
a. New Holland. Presented by the Haslar Hospital.

Musca basilaris, *Macq. Dipt. Exot.* ii. 3, 153, 8.
a. Jamaica. From Mr. Children's collection.

Musca Alpesa, n. s., mas. *Nigra, capite albo micante, thoraci vittis tribus latis canis, abdomine fulvo flavo-micante basi vittaque nigris, antennis palpis pedibusque nigris, alis limpidis.*

Body clothed with black hairs and bristles: head black, adorned with white lustre; epistoma prominent; sides of the face fringed with bristles along the whole length: eyes red, meeting on the crown; fore part flat, its facets much larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, slender, long, curved, beset with black bristles: feelers black, shorter than the face; third joint slightly decreasing in depth from the base to the tip, which is rounded, about four times the length of the second joint; bristle twice the length of the third joint: chest black, adorned with three broad hoary stripes: abdomen obconical, pale tawny, a little shorter but hardly broader than the chest, adorned with pale yellow reflections, black at the base, and having a black stripe which tapers from the base to the tip: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border a short distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales pale tawny. Length of the body 3 lines; of the wings 7 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Musca Taitensis, *Macq. Dipt. Exot.* ii. 3, 153, 7, *pl.* 20, *f.* 8.
a. New Zealand. Presented by Dr. Sinclair.

Musca Osiris? *Wied. Auss. Zweif.* ii. 420, 62.
a. Egypt. Presented by Sir Gardner Wilkinson.

Musca antiquissima, n. s., fem. *Cana, capite flavo micante, abdominis lateribus basi fulvis, palpis antennis pedibusque nigris, alis limpidis basi subfulvis.*

Body hoary, clothed with black hairs and bristles: head adorned with pale yellow lustre along the borders of the eyes: epi-

stoma slightly prominent; sides of the face fringed with short bristles for half the length from the base: eyes pitchy; fore part flat, its facets rather larger than those elsewhere: sucker and palpi black, the latter beset with black bristles: feelers black, a little shorter than the face; third joint linear, slender, rounded at the tip, full thrice the length of the second joint; bristle about twice the length of the third joint: abdomen obconical, a little shorter, but not broader than the chest, adorned with a large tawny spot on each side of the base: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings colourless, slightly tawny at the base; wing-ribs tawny; veins black, tawny at the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly curved inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein almost straight; scales pale yellow; poisers tawny. Length of the body 2½ lines; of the wings 5 lines.

a. New Holland.

Musca vetustissima, n. s., fem. *Cana, capite albo micante, thoraci vittis duabus latis nigris, abdomine cano-cinereo, palpis nigris, antennis piceis basi nigris, pedibus piceis, alis limpidis basi albis.*

Body hoary, clothed with black hairs and bristles: head adorned with white lustre; a black stripe between the eyelets and the feelers; epistoma not prominent; sides of the face feathered with bristles at the base: eyes red; fore part flat, its facets a little larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint pitchy, linear, rounded at the tip, about thrice the length of the second joint; bristle pitchy, black at the tip, about twice the length of the third joint: chest adorned with two broad black stripes: abdomen obconical, gray, with hoary reflections, a little broader, but not longer than the chest: legs pitchy, clothed with black hairs and bristles; foot-cushions tawny: wings colourless, white at the base; wing-ribs and veins pale tawny; veins darker towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly inclined inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein nearly straight; scales white; poisers pale yellow. Length of the body 2 lines; of the wings 4 lines.

a. New Holland. Presented by the Entomological Club.

Musca primitiva, n. s., fem. *Nigra, canescens, capite albo micante, thoraci vittis duabus latis cinereis, abdomine fulvo micante subtessellato, palpis antennis pedibusque nigris, alis limpidis.*

Body black, with a hoary covering, clothed with black hairs and bristles: head covered with pale yellow bloom, adorned with white lustre in front; a broad hoary stripe fringed with short bristles between the eyelets and the feelers; epistoma not prominent; sides of the face beset with bristles at the base: eyes bright red; fore part nearly flat, its facets very small: sucker and palpi black: feelers black, nearly as long as the face; third joint linear, slender, somewhat truncated at the tip, full four times the length of the second joint; bristle thick near the base, very much longer than the third joint: chest adorned with two broad gray stripes: breast covered with pale yellow bloom: abdomen nearly oval, adorned with pale tawny reflections, slightly tessellated, a little shorter and broader than the chest; under side hoary: legs black, clothed with black hairs and bristles: wings colourless: wing-ribs yellow; veins black, yellow towards the base; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, slightly curved inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein straight for half the length, very slightly curved outward from thence to the tip; scales white, with pale yellow borders. Length of the body 2½ lines; of the wings 5 lines.

a. China. Presented by G. T. Lay, Esq.

Musca prisca, n. s., fem. *Nigra, palpis antennis pedibusque nigris, alis limpidis.*

Body black, clothed with black hairs and bristles: eyes red; fore part convex; all the facets very small: sucker and palpi black: feelers black: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings colourless; wing-ribs and veins yellow; veins pitchy towards the tips; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border at a short distance above the tip of the wing: lower cross-vein with two very slight curves, the lower inward, the upper outward; scales white, with pale yellow borders; poisers tawny. Length of the body 2 lines; of the wings 4 lines.

a. New Holland. Presented by the Haslar Hospital.

Musca Moneta, n. s., fem. *Nigra, capite pectore thoracisque vittis quatuor cinereis, abdomine nigro tessellato, palpis antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head gray; a black stripe fringed with bristles between the eyelets and the feelers; epistoma slightly prominent; sides of the face fringed with bristles along half the length from the base: eyes dark red, downy; fore part slightly convex, its facets very small: sucker black, pitchy and clothed with tawny hairs at the tip; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint full twice the length of the second, flat above, slightly convex beneath, obliquely truncated at the tip; bristle black, more than twice the length of the third joint, stout near the base, feathered with short hairs for almost half the length: chest adorned with four gray stripes; scutcheon bordered with gray: breast gray: abdomen nearly elliptical, tessellated with gray, a little broader and longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming with the fourth longitudinal vein a slightly obtuse angle, which is far from the border of the wing, slightly curved inward at the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein nearly straight, but slightly waving; scales white, with pale yellow borders. Length of the body 2½ lines; of the wings 5 lines.

a. France?
b. Lapland? Presented by the Entomological Club.

Musca Doclea, n. s., fem. *Nigro-cinerea, capite ferrugineo, abdomine viridi basi nigro, antennis ferrugineis, palpis pedibusque fulvis, alis cinereis basi costaque fulvis.*

Body black, clothed with black hairs and bristles: head ferruginous, dark brown on the crown, with a tawny bloom in front; a dark ferruginous stripe fringed with bristles between the feelers and the eyelets; epistoma not prominent; sides of the face fringed with bristles at the base: sucker black, clothed with tawny hairs at the tip; palpi tawny, beset with black bristles: feelers ferruginous, much shorter than the face; third joint covered with tawny bloom, nearly linear, rounded at the tip, full twice the length of the second; bristle black, very much longer than the third joint: chest and breast dark gray: abdomen dark green, obconical, a little broader and shorter than the chest; first and second segments dull black: legs tawny, clothed with black hairs and bristles; feet dark tawny;

claws black: wings gray, tawny at the base and along the fore borders: wing-ribs and veins tawny; veins pitchy towards the tips; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, very slightly curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two distinct curves, the lower inward, the other outward; scales tawny. Length of the body 2½ lines; of the wings 5½ lines.

a. ———?

Musca Calleva, n. s., fem. *Cinerea, capite antico æneo, thorace vittis quatuor nigris, abdomine fulvo micante subtessellato, antennis piceis basi nigris, palpis pedibusque nigris, alis limpidis.*

Body gray, beset with black hairs and bristles: head black on the crown, brassy in front; epistoma not prominent; sides of the face fringed with bristles along half the length: eyes pitchy; fore part slightly convex, its facets hardly larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, shorter than the face; third joint pitchy, nearly linear, rather deep, rounded at the tip, about thrice the length of the third joint; bristle very slender, thick at the base, very much longer than the third joint: chest adorned with four black stripes: abdomen obconical, a little shorter and broader than the chest, adorned with tawny lustre, slightly tessellated: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs tawny; veins black; tip cross-vein forming an obtuse angle with the fourth longitudinal vein, very slightly curved inward along the whole length, joining the border a little above the tip of the wing; lower cross-vein almost straight, but having three extremely slight inward curves; middle curve with a knob at each end; scales white, with pale yellow borders. In the fly described there is an outward stump near the tip of the lower cross-vein of the right wing. Length of the body 2½ lines; of the wings 5 lines.

a. Interior of South Africa. Presented by the Earl of Derby.

D. Muscidæ Tomentosæ, *Desv. Essai Myod.* 410.

Group I. Stomina, *Desv. Essai Myod.* 411.

Group II. Pollenia, *Desv. Essai Myod.* 412.

Musca rudis, *Fabr. Syst. Antl.* 287, 16. *Fall. Musc.* 48, 24. *Meig. Dipt.* v. 66, 28, vii. 301, 38. *Zett. Ins. Lapp.* 659, 22. *Dipt. Scand* iv. 1339, 11. Pollenia rudis, *Desv. Essai Myod.* 414, 4. *Macq. Hist. Nat. Dipt.* ii. 269, 1, *pl.* 16, *f.* 18.

a. England.
b. France.

Musca Læmica, *White's MSS.*, mus. *Fulva, capite supra nigro, thoracis disco cinereo vittis sex fuscis, abdomine viridi aureo tessellato, antennis nigris basi ferrugineis, palpis pedibusque fulvis, tarsis nigris, alis limpidis basi fulvis.*

Body tawny, clothed with black hairs and bristles: head black above, pale tawny in front, thickly clothed beneath with golden hairs; a pitchy stripe widening from the eyelets to the feelers; facials obliquely striated; epistoma prominent; sides of the face fringed with bristles along half the length: eyes brassy red; fore part flat, composed of much larger facets than those elsewhere: sucker black, pitchy and clothed with pale tawny hairs at the tip; palpi bright tawny, slender, slightly clavate, beset with black bristles: feelers black, a little shorter than the face; first and second joints ferruginous; third joint linear, rounded at the tip, full four times the length of the second; bristle very much longer than the third joint: disk of the chest gray, adorned with six indistinct dark brown stripes; breast thinly clothed with golden hairs: abdomen dark green, obconical, a little shorter and broader than the chest, tessellated with golden reflections, thickly clothed at the base and beneath with bright golden hairs: legs pale tawny, clothed with black hairs and bristles; feet black; foot-cushions dark tawny: wings colourless, tawny at the base; wing-ribs ferruginous; veins black, ferruginous towards the base; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two curves, the lower inward, the other outward and very much deeper than the first; scales pale gray; poisers tawny. Length of the body 4½—5 lines; of the wings 9—10 lines.

a. New Zealand. Presented by Dr. Sinclair.
b. New Holland. Presented by the Earl of Derby.
c. South Sea Isles. Presented by Capt. Sir E. Home.
d. Swan River. Presented by Sir J. Richardson.
e. Swan River. From Mr. Turner's collection.
f. West Australia. From Mr. Clifton's collection.

Musca dorsalis, n. s., mas. et fem. *Fulva, capite supra ferrugineo ad ocellos piceo, thoracis abdominisque discis cyaneo-cinereis, palpis antennis pedibusque fulvis, tarsis nigris, alis subcinereis basi fulvis.*

Body tawny: head ferruginous above, pitchy about the eyelets, clothed beneath with golden hairs; epistoma prominent; sides of the face fringed with hairs along two-thirds of the length: eyes red; fore part flat, its facets much larger than those elsewhere: sucker black; palpi tawny, beset with black bristles: feelers tawny, nearly as long as the face; third joint linear, pitchy, rounded at the tip, tawny beneath and at the base, about six times the length of the second; bristle pitchy, longer than the third joint, feathered to the tip with long hairs: chest bluish gray: scutcheon blue: back of the abdomen adorned with a broad bluish stripe: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions tawny: wings slightly gray, tawny at the base; tip cross-vein with two distinct curves, the upper outward, deeper than the other, which is inward; scales pale tawny; poisers tawny. Length of the body 4½ lines; of the wings 9 lines.

a. New Holland. Presented by J. Hunter, Esq.
b. New Holland.

Group III. Nitellia, *Desv. Essai Myod.* 417.

Musca vespillo, *Fabr. Ent. Syst.* iv. 318, 26. *Syst. Antl.* 292, 39. *Meig. Dipt.* v. 65, 27, vi. 374. *Fall. Act. Holm.* 1816, 247, 23. *Musc.* 47, 23. *Zett. Ins. Lapp.* 658, 20. Var. *α*. et *β*. M. sepulcralis, *Meig. Dipt.* v. 71, 34, vii. 300, 10. Volucella corvina, *Schrank, Faun. Boic.* iii. 2496. Musca recurvo? *Harr. Ex.* 85, *pl.* 25, *f.* 17. Nitellia vespillo, *Desv. Essai Myod.* 417, 1. Sarcophaga vespillo, *Zett. Dipt. Scand.* iv. 1307, 28.

a. England.
b. France.
c. ———? From Mr. Children's collection.
d. Ukraine. Presented by Dr. Dowler.
e. Nova Scotia. From Lieut. Redman's collection.
f. Nova Scotia.
g. ———? Presented by the Entomological Club.

Group IV. Beria, *Desv. Essai Myod.* 418.

Group V. Rhinophora.

Musca atramentaria, *Meig. Dipt.* v. 65, 26, vii. 301, 28. *Zett. Ins. Lapp.* 658, 21. *Dipt. Scand.* iv. 1337, 9. Pollenia atramentaria, *Macq. Hist. Nat. Dipt.* ii. 272, 13.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

C. Muscidæ Vagantes, *Desv. Essai Myod.* 400.

Group I. Graphomya, *Desv. Essai Myod.* 403.

Musca maculata, *Linn. Syst. Nat. ed.* xii. 2, 990, 70. *Fabr. Ent. Syst.* iv. 314, 8. *Syst. Antl.* 287, 14. *Gmel. Ed. Syst. Nat.* i. 5, 2841, 70. *Deg. Ins.* vi. 84, 13, *pl.* 3, *f.* 22. *Harr. Ex.* 140, *pl.* 41, *f.* 38? *Turt.* iii. 598. *Don. Brit. Ins.* xiii. 25, *pl.* 445, *f.* 1. *Panz. Faun. Germ.* 44, 22. *Fall. Musc.* 49, 27. *Meig. Dipt.* v. 78, 48. *Zett. Ins. Lapp.* 659, 25. M. vulpina, *Fabr. Sp. Ins.* ii. 439, 20. *Ent. Syst.* iv. 319, 29. *Syst. Antl.* 292, 43. *Gmel. Ed. Syst. Nat.* i. 5, 2841, 179, mas. M. compunctus, *Harr. Ex.* 113, *pl.* 33, *f.* 24, mas. Graphomya maculata, *Desv. Essai Myod.* 403, 1. Cyrtoneura maculata, *Macq. Hist. Nat. Dipt.* ii. 275, 1, *pl.* 16, *f.* 20. *Meig. Dipt.* vii. 309, 15. *Zett. Dipt. Scand.* iv. 1355, 10.
a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Musca Idessa, n. s., fem. *Nigra, albo micans, thorace vittis quatuor cyaneo-canis, abdomine maculis nigris quadrivittato, palpis nigris, pedibus piceis, tarsis nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with white lustre; a broad black stripe on the crown; epistoma hardly prominent; sides of the face beset with short bristles for half the length from the base: eyes red; fore part flat, its facets a little larger than those elsewhere: sucker black, clothed at the tip with a few tawny hairs: palpi black, beset with black bristles: feelers wanting: chest adorned with four broad, regular, bluish hoary stripes; scutcheon whitish, with a large black spot in the disk: abdomen covered with white reflections, adorned with four rows of large irregular black spots: legs dark pitchy; thighs covered with gray bloom; feet black: wings slightly gray; wing-ribs pitchy;

veins black, pitchy at the base; tip cross-vein joined with the fourth longitudinal vein by a rather deep outward curve, straight from thence till near the tip, where it is slightly curved inward, joining the border just below the tip of the wing; lower cross-vein curved inward along its whole length, deeply so near the base; scales white, with pale tawny borders; poisers tawny, with yellow knobs. Length of the body 4 lines; of the wings 8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Musca Eustolia, n. s., mas. *Aurea, capite flavo, thorace vittis quinque nigro-fuscis, abdomine fulvo, segmentorum marginibus posticis fuscis, antennis piceis, palpis pedibusque fuscis, tarsis nigris, alis subfulvis marginibus posticis limpidis.*

Body clothed with black hairs and bristles: head yellow; a narrow, dark brown stripe fringed with bristles between the eyelets and the feelers; epistoma prominent; sides of the face fringed with bristles along one-third of the length: eyes pitchy, nearly meeting on the crown; fore part almost flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi tawny: feelers pitchy, nearly as long as the face; third joint linear, slightly rounded at the tip, full thrice the length of the second joint; bristle tawny, black towards the tip, feathered with black hairs, much longer than the third joint: chest gold-colour, adorned with five regular, broad, blackish brown stripes; the middle one and the outer pair extending over part of the scutcheon: abdomen tawny, obconical, a little shorter, but hardly broader than the chest; hind borders of the segments pale brown: legs tawny, clothed with black hairs and bristles; shanks darker than the thighs; feet black; foot-cushions pale yellow: wings slightly tawny, colourless along the hind borders; wing-ribs tawny; veins black, pitchy towards the base; tip cross-vein joined by a very shallow outward curve with the fourth longitudinal vein, straight from thence till near the tip, where it is very slightly inclined inward; lower cross-vein with two very slight and short outward curves, one at the base, the other at the tip, the whole middle part being occupied by a long and shallow inward curve; scales pale tawny. Length of the body 3 lines; of the wings 7 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Musca meditabunda, *Fabr. Sp. Ins.* ii. 444, 46. *Ent. Syst.* iv. 322, 43. , *Syst. Antl.* 297, 68. *Gmel. Ed. Syst. Nat.* i. 5, 2845, 203. *Panz. Faun. Germ.* 44, 23. *Fall. Musc.* 50, 28. *Meig. Dipt.* v. 79, 49. *Zett. Ins. Lapp.* 660, 26. M. Serpo, *Harr. Ex.* 144, *pl.* 42, *f.* 54. Cyrtoneura meditabunda, *Macq. Hist. Nat. Dipt.* ii. 275, 2. *Meig. Dipt.* vii. 309, 16. *Zett. Dipt. Scand.* iv. 1357, 11.

a. England.
b. ———? Presented by the Entomological Club.
c. Aix-la-Chapelle. Presented by F. Walker, Esq.
d. Alten. Presented by F. Walker, Esq.
e. Nova Scotia. From Lieut. Redman's collection.

Group II. Morellia, *Desv. Essai Myod.* 405.

Musca hortorum, *Fall. Act. Holm.* 1816, 252, 33. *Musc.* 52, 33. *Meig. Dipt.* v. 3, 39, *pl.* 43, *f.* 33. *Zett. Ins. Lapp.* 560, 30. M. importuna, *Hal. Ent. Mag.* iv. 149. Anthomyia hortorum, *Wied. Zool. Mag.* i. 1, 83, 35. Morellia hortorum, *Haliday, Ann. Nat. Hist.* 1839, 185. Cytoneura hortorum, *Macq. Hist. Nat. Dipt.* ii. 276, 5. *Meig. Dipt.* vii. 309, 1. *Zett. Dipt. Scand.* iv. 1346, 1.

a. England.
b. France.
c. ———? Presented by the Entomological Club.
d. Alten. Presented by F. Walker, Esq.

Musca Nora, n. s., mas. *Nigra, thorace vittis quinque cinereis, abdomine flavo-fusco micante subtus cinereo, antennis palpis pedibusque nigris, alis subcinereis.*

Body black, thickly clothed with black hairs and bristles: head adorned in front with silky white lustre; epistoma ferruginous, not prominent; sides of the face fringed with bristles at the base; a double row of bristles on the crown: eyes red; fore part flat, its facets larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi black, curved, beset with black bristles: feelers black, shorter than the face; third joint linear, nearly truncated at the tip, about four times the length of the second; bristle stout towards the base, nearly twice the length of the third joint: chest adorned with five broad, indistinct, gray stripes; breast tinged with gray: abdomen elliptical, as long as the chest, adorned with yellowish brown reflections, grayish beneath: legs black, clothed with black hairs and bristles; foot-cushions

pale yellow: wings slightly gray; wing-ribs pitchy; veins black; tip cross-vein united with the fourth longitudinal vein by an extremely shallow curve, and having an almost imperceptible inward curve from thence to the tip, joining the border just below the tip of the wing; lower cross-vein with two very slight curves, the lower inward, more distinct than the other, which is outward; scales dingy white, with yellow borders; poisers tawny. Length of the body 2½ lines; of the wings 5 lines.

a. Lapland. Presented by the Entomological Club.
b. France.

Musca tempestiva, *Fall. Musc.* 53, 36. *Meig. Dipt.* v. 76, 44. *Zett. Ins. Lapp.* 661, 31. M. nana? *Meig. Dipt.* vi. 375, 51. Cyrtoneura tempestiva, *Meig. Dipt.* vii. 309, 6. *Zett. Dipt. Scand.* iv. 1349, 4. C. nana? *Meig. Dipt.* vii. 309, 8.

a. England.
b. ——— ? From Mr. Children's collection.

Musca Aluta, n. s., fem. *Nigro-fusca, thorace vittis quinque cinereis, abdomine flavo-fusco tecto, antennis palpis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: head covered with dull tawny bloom; crown broad; epistoma slightly prominent; sides of the face beset with bristles at the base: eyes red; fore part slightly convex, its facets small: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint linear, truncated at the tip, full four times the length of the second joint; bristle longer than the third joint: chest dark brown, adorned with five indistinct hoary stripes: breast tinged with gray: abdomen elliptical, a little broader but not longer than the chest, adorned with a yellowish brown covering: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs tawny; veins black, pitchy towards the base; tip cross-vein united to the fourth longitudinal vein by a very shallow outward curve, straight from thence till near the tip, where it is very slightly inclined inward, joining the border just below the tip of the wing; lower cross-vein with a rather deep outward curve in the middle, and having a short and slight inward curve at each end; scales white, with pale tawny borders; poisers tawny. Length of the body 2½—3 lines; of the wings 5—6 lines.

a. Lapland?
b. France?

In one wing of an insect of this species the lower cross-vein sends forth a stump into the disk.

Musca Calisia, n. s. *Cinerea, thorace vittis quatuor nigris, abdomine nigro, cano et ad apicem fulvo-micante, palpis antennis pedibusque nigris, alis subcinereis.*

Body gray, clothed with black hairs and bristles: head hoary in front; a black stripe between the eyelets and the feelers; epistoma not prominent; sides of the face bristly at the base: eyes pitchy; fore part flat, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, truncated at the tip, full four times the length of the second joint; bristle deeply fringed, longer than the third joint: chest adorned with four black stripes: abdomen black, obconical, a little shorter but hardly broader than the chest, adorned with hoary, and towards the tip with tawny reflections, tawny beneath and on each side of the base above: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein forming hardly more than a right angle with the fourth longitudinal vein, curved inward near the base, straight from thence to the tip, joining the border at some distance above the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales white, with pale yellow borders. Length of the body 2½ lines; of the wings 5 lines.

a. South Africa. Presented by the Entomological Club.

Group III. Muscina, *Desv. Essai Myod.* 406.

Musca stabulans, *Fall. Musc.* 52, 32. *Meig. Dipt.* v. 75, 42, *pl.* 43, *f.* 35. *Zett. Ins. Lapp.* 660, 29. Anthomyia cinerascens, *Wied. Zool. Mag.* i. 1, 79, 28. Musca prodeo, *Harr. Ex.* 141, *pl.* 41, *f.* 41. Muscina stabulans, *Desv. Essai Myod.* 407, 2. Cyrtoneura stabulans, *Macq. Hist. Nat. Dipt.* ii. 277, 10. *Meig. Dipt.* vii. 309, 3. *Zett. Dipt. Scand.* iv. 1354, 9.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.
d. ——— ? Presented by the Entomological Club.
e. Aix-la-Chapelle. Presented by F. Walker, Esq.
f. Nova Scotia. From Lieut. Redman's collection.

Group IV. Dasyphora, *Desv. Essai Myod.* 409.

Musca agilis, *Meig. Dipt.* v. 70, 33. Morellia agilis? *Desv. Essai Myod.* 405, 1. Curtonevra agilis? *Macq. Hist. Nat. Dipt.* ii. 276, 6.
a. England.
b. France.

Anthomyia, *Meigen.*

A. Aricinæ, *Desv. Essai Myod.* 473.

a. Aricinæ Terrestres, *Desv. Essai Myod.* 476.

Group I. Macrosoma, *Desv. Essai Myod.* 402.

Anthomyia lardaria, *Meig. Dipt.* v. 83, 1. Musca lardaria, *Fabr. Sp. Ins.* ii. 436, 5. *Ent. Syst.* iv. 313, 5. *Syst. Antl.* 285, 6. *Gmel. Ed. Syst. Nat.* i. 5, 2840, 175. *Fall. Musc.* 54, 37. M. levidus, *Harr. Ex. pl.* 36, *f.* 52. Macrosoma lardaria, *Desv. Essai Myod.* 402, 1. Aricia lardaria, *Macq. Hist. Nat. Dipt.* ii. 286, 1. *Meig. Dipt.* vii. 313, 1. *Zett. Dipt. Scand.* iv. 1386, 1. Anthomyza lardaria, *Zett. Ins. Lapp.* 661, 1.
a. England.
b. France.

Group II. Fellæa, *Desv. Essai Myod.* 476.

Anthomyia urbana, *Meig. Dipt.* v. 118, 60. Musca lenis, *Harr. Ex.* 147, *pl.* 43, *f.* 66. M. Angelicæ, var. β. rustica, *Fall. Musc.* 79. Fellæa fera, *Desv. Essai Myod.* 477, 1. Aricia urbana, *Macq. Hist. Nat. Dipt.* ii. 292, 27. Hylemyia urbana, *Meig. Dipt.* vii. 316, 62. Anthomyza urbana, *Zett. Dipt. Scand.* iv. 1651, 17.
a. England.

Anthomyia Angelicæ, *Hoffmansegg, Meig. Dipt.* v. 117, 59. *Ahrens Faun.* 10, *pl.* 25. *Zett. Ins. Lapp.* 688, 120.? Musca Angelicæ, *Scop. Ent. Carn.* 880. *Fall. Musc.* 78, 94. M. deceptoria, *Gmel. Ed. Syst. Nat.* v. 2844, 202. *Schrank, Ins. Austr.* 458, 932. Hylemyia Angelicæ, *Meig. Dipt.* vii. 316, 61. Anthomyza Angelicæ, *Zett. Dipt. Scand.* iv. 1643, 8.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA incana, *Wied. Zool. Mag.* i. 81, 32. *Meig. Dipt.* v. 84, 3. *Zett. Ins. Lapp.* 662, 3. Musca vicanus? *Harr. Ex.* 152, *pl.* 45, *f.* 78. M. nemorum, *Fall. Musc.* 55, 39. Fellæa nigripes, *Desv. Essai Myod.* 477, 3. Aricia incana, *Macq. Hist. Nat. Dipt.* ii. 286, 4. *Meig. Dipt.* vii. 313, 3. *Zett. Dipt. Scand.* iv. 1389, 3.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group III. Mydæa, *Desv. Essai Myod.* 478.

ANTHOMYIA pagana, *Meig. Dipt.* v. 116, 58. *Zett. Ins. Lapp.* 691, 132. Musca pagana, *Fabr. Ent. Syst.* iv. 326, 61. *Syst. Antl.* 288, 23. *Fall. Musc.* 79, 95. M. princeps? *Harr. Ex.* 151, *pl.* 45, *f.* 76. Mydæa scutellaris *Desv. Essai Myod.* 480, 5. Aricia pagana, *Macq. Hist. Nat. Dipt.* ii. 290, 21. Hylemyia pagana, *Meig. Dipt.* vii. 316, 60. Anthomyza pagana, *Zett. Dipt. Scand.* iv. 1696, 68.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA ruralis, *Meig. Dipt.* v. 101, 32. Mydæa nigripes, *Desv. Myod.* 481, 9. Aricia ruralis, *Macq. Hist. Nat. Dipt.* ii. 291, 25.

a. England.

Group IV. Phaonia, *Desv. Essai Myod.* 482.

ANTHOMYIA erratica, *Meig. Dipt.* v. 111, 49. Musca erratica, *Fall. Musc.* 77, 92. M. validus, *Harr. Ex.* 124, *pl*, 36, *f.* 50. Phaonia viarum, *Desv. Myod.* 482, 1. Aricia erratica, *Macq. Hist. Nat. Dipt.* ii. 287, 7, *pl.* 17. *f.* 1. *Meig. Dipt.* vii. 314, 16. Anthomyza erratica, *Zett. Dipt. Scand.* iv. 1693, 65.

a. England.

b. ——— ? From Mr. Children's collection.

ANTHOMYIA signata, *Meig. Dipt.* v. 113, 52. Phaonia vagatoria? *Desv. Myod.* 483, 2, Aricia signata, *Macq. Hist. Nat. Dipt.* ii. 288, 10. *Meig. Dipt.* vii. 314, 19. Anthomyza signata, *Zett. Dipt. Scand.* iv. 1638, 2.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group V. Triennia, *Desv. Essai Myod.* 484.

ANTHOMYIA errans, *Meig. Dipt.* v. 112, 50. *Zett. Ins. Lapp.* 688, 119. Musca revolo? *Harr. Ex.* 124, *pl.* 36, *f.* 51. M. erratica, *Fall. Musc.* 77, 92, var. *β*. Triennia nigricornis, *Desv. Myod.* 484, 1. Aricia errans, *Macq. Hist. Nat. Dipt.* ii. 287, 8. *Meig. Dipt.* vii. 314, 17. Anthomyza errans, *Zett. Dipt. Scand.* iv. 1636, 1.

a. England.

Group VI. Euphemia, *Desv. Essai. Myod.* 485.

Group VII. Aricia, *Desv. Essai. Myod.* 486.

ANTHOMYIA impuncta, *Meig. Dipt.* v. 118, 61. *Zett. Ins. Lapp.* 691, 133. Musca impuncta, *Fall. Musc.* 79, 96. Aricia impunctata? *Desv. Myod.* 487, 8. A. impuncta, *Macq. Hist. Nat. Dipt.* ii. 293, 31. Hylemyia impuncta, *Meig. Dipt.* vii. 316, 63. *Zett. Dipt. Scand.* iv. 1698, 69.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group VIII. Rohrella, *Desv. Essai Myod.* 489.

ANTHOMYIA testacea, *Meig. Dipt.* v. 116, 57. Musca testacea, *Fabr. Sp. Ins.* ii. 440, 22. *Ent. Syst.* iv. 320, 32. *Gmel. Ed. Syst. Nat.* i. 5, 2842, 181. *Panz. Faun. Germ.* ix. 14. M. subventus, *Harr. Ex.* 145, *pl.* 43, *f.* 60. M. scutellaris, *Fall. Musc.* 90, 123. Rohrella testacea, *Desv. Essai Myod.* 490, 1. Aricia testacea, *Macq. Hist. Nat. Dipt.* ii. 290, 17.

a. England.

b. France.

ANTHOMYIA Populi, *Meig. Dipt.* v. 115, 55. Musca testacea, *Deg. Ins.* vi. 42. M. pallida, var. *Fall. Musc.* 89, 122. Aricia Populi, *Macq. Hist. Nat. Dipt.* ii. 289, 15. *Meig. Dipt.* vii. 314, 22. Anthomyza Populi, *Zett. Dipt. Scand.* v. 1742, 124.

a. England.

ANTHOMYIA pallida, *Meig. Dipt.* v. 115, 56. Musca pallida, *Fabr. Ent. Syst.* iv. 320, 33. *Syst. Antl.* 295, 53. *Gmel. Ed. Syst. Nat.* i. 5, 2842, 182. *Fall. Musc.* 89, 122. M. testacea, *Deg. Ins.* vi. 87, 16. Rohrella fragilis, *Desv. Myod.* 492, 7. Aricia pallida, *Macq. Hist. Nat. Dipt.* ii. 289, 16. *Meig. Dipt.* vii. 314, 23. Anthomyza pallida, *Zett. Dipt. Scand.* v. 1741, 123.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA uliginosa, *Meig. Dipt.* v. 121, 67. Musca uliginosa, *Fall. Musc.* 81, 100. M. deduco, *Harr. Ex.* 125, *pl.* 36, *f.* 54. Rohrella punctata, *Desv. Essai Myod.* 492, 9. Spilogaster uliginosa, *Macq. Hist. Nat. Dipt.* ii. 294, 1, *pl.* 17, *f.* 2. Hylemyia uliginosa, *Meig. Dipt.* vii. 317, 85. Anthomyza uliginosa, *Zett. Dipt. Scand.* v. 1745, 128.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group IX. Helina, *Desv. Essai Myod.* 493.

Group X. Mydina, *Desv. Essai Myod.* 495.

ANTHOMYIA quadrimaculata, *Meig. Dipt.* v. 92, 16. *Zett. Ins. Lapp.* 670, 39. Musca cornuta, *Fabr. Syst. Antl.* 298, 71. M. quadrimaculata, *Fall. Musc.* 63, 61. Hylemyia quadrimaculata, *Meig. Dipt.* vii. 316, 24. Aricia quadrimaculata, *Zett. Dipt. Scand.* iv. 1477, 87.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA quadrum, *Meig. Dipt.* v. 93, 18. *Zett. Ins. Lapp.* 689, 121. Musca quadrum, *Fabr. Syst. Antl.* 297, 67. M. subpunctata, *Fall. Musc.* 80, 97. M. reversio, *Harr. Ex.* 146, *pl.* 43, *f.* 62. Mydina dispar, *Desv. Myod.* 497, 4. Spilogaster quadrum, *Macq. Hist. Nat. Dipt.* ii. 295, 7. Hylemyia quadrum, *Meig. Dipt.* vii. 316, 48. Anthomyza quadrum, *Zett. Dipt. Scand.* iv. 1661, 27.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA dispar, *Meig. Dipt.* v. 88, 11. *Zett. Ins. Lapp.* 665, 17. Musca dispar, *Fall. Musc.* 58, 48. Spilogaster dispar, *Macq. Hist. Nat. Dipt.* ii. 296, 12. Aricia dispar, *Meig. Dipt.* vii. 314, 11. *Zett. Dipt. Scand.* iv. 1396, 9.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group XI. Eginia, *Desv. Essai Myod.* 502.

b. Aricinæ littorales, *Desv. Essai Myod.* 503.

Group XII. Hydrophoria, *Desv. Essai Myod.* 503.

ANTHOMYIA conica, *Wied. Zool. Mag.* i. 79, 29. *Meig. Dipt.* v. 97, 25. *Ahrens, Faun.* 10, *pl.* 23. *Zett. Ins. Lapp.* 689, 124. Musca conica, var. *a. Fall. Musc.* 83, 107. Hydrophoria tibialis? *Desv. Myod.* 505, 5. H. conica, *Macq. Hist. Nat. Dipt.* ii. 298, 1. Hylemyia conica, *Meig. Dipt.* vii. 316, 42. Anthomyza conica, *Zett. Dipt. Scand.* iv. 1652, 18.

a. England.

ANTHOMYIA fumosa, *Meig. Dipt.* v. 109, 45. Hydrophoria fuliginosa, *Desv. Myod.* 505, 4. H. fumosa, *Macq. Hist. Nat. Dipt.* ii. 300, 11.

a. England.

ANTHOMYIA semicinerea, *Wied. Zool. Mag.* i. 84, 37. *Meig. Dipt.* v. 108, 43. *Zett. Ins. Lapp.* 670, 40. Musca hyalinata, *Fall. Musc.* 64, 62. Hydrophoria semicinerea, *Macq. Hist. Nat. Dipt.* ii. 301, 14. Hylemyia semicinerea, *Meig. Dipt.* vii. 315, 5. Aricia semicinerea, *Zett. Dipt. Scand.* iv. 1500, 111.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA albiceps, *Meig. Dipt.* v. 95, 21.

a. England.

Group XIII. Potamia, *Desv. Essai Myod.* 507.

Group XIV. Stagnia, *Desv. Essai Myod.* 508.

Group XV. Hydrotæa, *Desv. Essai Myod.* 509.

ANTHOMYIA dentipes, *Meig. Dipt.* v. 144. 105. *Zett. Ins. Lapp.* 667, 27. Musca dentipes, *Fabr. Syst. Antl.* 303, 95. *Fall. Musc.* 60, 54. M. domitor, *Harr. Ex.* 148, *pl.* 43, *f.* 71. Hydrotæa monacantha? *Desv. Myod.* 509, 1. H. dentipes, *Macq. Hist. Nat. Dipt.* ii. 303, 1. *Meig. Dipt.* vii. 224, 12. Aricia dentipes, *Zett. Dipt. Scand.* iv. 1426, 36, var. Anthomyza anxia, *Zett. Ins. Lapp.* 668, 29.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA militaris, *Meig. Dipt.* v. 136, 94. Hydrotæa militaris, *Macq. Hist. Nat. Dipt.* ii. 304, 2.
a. England.

ANTHOMYIA bidens, *Wied. Meig. Dipt.* v. 135, 92.
a. England.

ANTHOMYIA cunctans, *Meig. Dipt.* v. 133, 89.
a. England.

Group XVI. Blainvillia, *Desv. Essai Myod.* 514.

Group XVII. Ophyra, *Desv. Essai Myod.* 516.

ANTHOMYIA leucostoma, *Meig. Dipt.* v. 160, 136, vii. 326, 1. *Zett. Ins. Lapp.* 667, 28. Musca leucostoma, *Wied. Zool. Mag.* i. 1, 82, 34. *Fall. Musc.* 61, 56.? M. diabolus? *Harr. Ex.* 126, *pl.* 36, *f.* 58. Ophyra leucostoma, *Macq. Hist. Nat. Dipt.* ii. 308, 1, *pl.* 17, *f.* 5.
a. England.

Group XVIII. Peronia, *Desv. Essai Myod.* 517.

Group XIX. Limnophora, *Desv. Essai Myod.* 517.

ANTHOMYIA buccata, *Meig. Dipt.* v. 146, 108, vii. 326, 14. Musca buccata, *Fall. Musc.* 65, 65. Limnophora buccata, *Macq. Hist. Nat. Dipt.* ii. 312, 12. Aricia buccata, *Zett. Dipt. Scand.* iv. 1506, 116.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group XX. Cuculla, *Desv. Essai Myod.* 523.

Group XXI. Zaphne, *Desv. Essai Myod.* 527.

B. Limosellæ, *Desv. Essai Myod.* 528.

Group I. Caricea, *Desv. Essai Myod.* 530.

Group II. Limosia, *Desv. Essai Myod.* 535.

Group III. Palusia, *Desv. Essai Myod.* 542.

C. Anthomydæ, *Desv. Essai Myod.* 545.

a. Hylemydæ, *Desv. Essai. Myod.* 549.

Group I. Hylemya, *Desv. Essai Myod.* 550.

ANTHOMYIA præpotens, *Hoffmansegg*, *Wied. Zool. Mag.* i. 83, 36. *Meig. Dipt.* v. 127, 80. *Ahrens*, *Faun.* 10, 24. Musca præpotens, *Fall. Musc.* 83, 106. Hylemyia præpotens, *Macq. Hist. Nat. Dipt.* ii. 316, 1, *pl.* 17, *f.* 8. *Meig. Dipt.* vii. 317, 78, *pl.* 74, *f.* 11. Anthomyza præpotens, *Zett. Dipt. Scand.* iv. 1701, 75.

a. England.

ANTHOMYIA strigosa, *Meig. Dipt.* v. 131, 87. *Zett. Ins. Lapp.* 689, 125. Musca strigosa, *Fabr. Ent. Syst.* iv. 321, 39. *Syst. Antl.* 296, 61. M. vagans, *Panz. Faun. Germ.* 59, 18. M. conica, var. β., &c. *Fall. Musc.* 83, 107. Hylemyia strigosa, *Macq. Hist. Nat. Dipt.* ii. 317, 3. *Meig. Dipt.* vii. 316, 41. Anthomyza strigosa, *Zett. Dipt. Scand.* iv. 1654, 20.

a. England.

ANTHOMYIA fuscata, *Meig. Dipt.* v. 126, 78, *pl.* 44, *f.* 8. Musca fuscata, *Fall. Musc.* 85, 109. Hylemyia fuscata, *Meig. Dipt.* vii. 316, 77. Anthomyza fuscata, *Zett. Dipt. Scand.* iv. 1665, 30.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA ruralis, *Meig. Dipt.* v. 101, 32.

a. England.

Group II. Egeria, *Desv. Essai Myod.* 555.

ANTHOMYIA Cardui, *Meig. Dipt.* v. 104, 37.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA pullula. A. longula, *Meig. Dipt.* v. 103, 36. Hylemyia longula, *Macq. Hist. Nat. Dipt.* ii. 321, 23. *Meig. Dipt.* vii. 315, 16. Aricia pullula, *Zett. Dipt. Scand.* iv.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA pusilla, *Meig. Dipt.* v. 151, 118.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA assimilis, *Meig. Dipt.* v. 105, 39. Musca assimilis, *Fall. Musc.* 56, 41.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

b. Herbicolæ, *Desv. Essai Myod.* 556.

Group III. Nerina, *Desv. Essai Myod.* 557.

Group IV. Adia, *Desv. Essai Myod.* 558.

Group V. Phorbia, *Desv. Essai Myod.* 559.

Group VI. Chlöe, *Desv. Essai Myod.* 560.

Group VII. Leucophora, *Desv. Essai Myod.* 562.

c. Chorelleæ, *Desv. Essai Myod.* 564.

Group VIII. Fannia, *Desv. Essai Myod.* 567.

ANTHOMYIA scalaris, *Meig. Dipt.* v. 141, 102, vii. 326, 19. *Macq. Hist. Nat. Dipt.* ii. 333, 2. *Zett. Ins. Lapp.* 681, 87. A. manicata? *Leon Dufour, Ann. Sci. Nat. Extr.* 5, 2. Musca scalaris, *Fabr. Ent. Syst.* iv. 332, 83. *Syst. Antl.* 305, 106. *Fall. Musc.* 69, 73. Fannia saltatrix, *Desv. Essai Myod.* 567, 1. Aricia scalaris, *Zett. Dipt. Scand.* iv. 1575, 189.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA manicata, *Meig. Dipt.* v. 140, 100, vii. 327, 71. *Macq. Hist. Nat. Dipt.* ii. 333, 1. A. armillata, *Zett. Ins. Lapp.* 679, 76. Var. Musca scalaris, *Fall. Musc.* 69, 73. Aricia manicata, *Zett. Dipt. Scand.* iv. 1576, 190.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group IX. Philinta, *Desv. Essai Myod.* 568.

ANTHOMYIA canicularis, *Meig. Dipt.* v. 143, 104, vii. 326, 22. *Macq. Hist. Nat. Dipt.* ii. 334, 5. *Zett. Ins. Lapp.* 681, 86. Musca canicularis, *Linn. Syst. Nat.* ii. 992. *Faun. Suec.* 1841. *Gmel. Ed. Syst. Nat.* i. 5, 2847, 80. *Fabr. Sp. Ins.* ii. 443, 38. *Ent. Syst.* iv. 329, 70. *Syst. Antl.* 303, 97. *Schrank, Ins. Austr.* 462, 938. *Stew, El.* ii. 259. *Turt.* iii. 607. *Fall. Musc.* 69, 72. M. domestica minor, *Deg. Ins.* vi. 14, 5. M. socio, *Harr. Ex.* 147, *pl.* 43, *f.* 69, mas. M. constans, *Harr. Ex.* 149, *pl.* 43, *f.* 75, fem.? M. socio minor, *Harr. Ex.* 153. *pl.* 45, *f.* 83, var.? Aricia canicularis, *Zett. Dipt. Scand.* iv. 1573.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA lepida, *Meig. Dipt.* v. 140, 101. Musca lepida? *Wied. Zool. Mag.* i. 82, 33. *Fall. Musc.* 76, 90. Anthomyza lepida? *Zett. Ins. Lapp.* 686, 110. Aricia lepida? *Zett. Dipt. Scand.* iv. 1595, 209.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group X. Aminta, *Desv. Essai Myod.* 569.

Group XI. Delia, *Desv. Essai Myod.* 571.

Group XII. Anthomya, *Desv. Essai Myod.* 581.

ANTHOMYIA pluvialis, *Meig. Dipt.* v. 163, 141, vii. 327, 30. *Macq. Hist. Nat. Dipt.* ii. 340, 30, *pl.* 17, *f.* 13. *Zett. Ins. Lapp.* 680, 85. Musca pluvialis, *Linn. Syst. Nat.* 992. *Faun. Suec.* 1844. *Gmel. Ed. Syst. Nat.* i. 5, 2847, 83. *Fabr. Sp. Ins.* ii. 443, 40. *Ent. Syst.* iv. 329, 71. *Syst. Antl.* 304, 98. *Deg. Ins.* vi. 27, 6. *Schrank, Ins. Austr.* 939. *Faun. Boic.* iii. 2447. *Stew. El.* 260. *Turt.* iii. 607. *Don. Hist. Brit. Ins.* xi. 33, *pl.* 372. *Latr. Gen. Crust.* iv. 346. *Cons. Gén.* 444. *Fall. Musc.* 68, 71. Musca, &c., *Geoff. Ins.* ii. 529, 68. M. litus, *Harr. Ex.* 119, *pl.* 35, *f.* 32. Aricia pluvialis, *Zett. Dipt. Scand.* iv. 1558, 173.
a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA praticola. A. pratincola, *Panz. Faun. Germ.* 108, 12. A. pratinicola, *Meig. Dipt.* v. 162, 140, vii. 327, 29, *pl.* 74, *f.* 24. *Macq. Hist. Nat. Dipt.* ii. 341, 34. Aricia praticola, *Zett. Dipt. Scand.* iv. 1559, 174.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group XIII. Egle, *Desv. Essai Myod.* 584.

ANTHOMYIA radicum, *Meig. Dipt.* v. 168, 148, vii. 327, 38. *Macq. Hist. Nat. Dipt.* ii. 341, 35. *Zett. Ins. Lapp.* 684, 104. Musca radicum, *Linn. Syst. Nat. Ed.* xii. 2, 992, 79. *Faun. Suec.* 1840. *Gmel. Ed. Syst. Nat.* i. 5, 2846, 79. *Fabr. Sp. Ins.* ii. 443, 35. *Fall. Musc.* 72, 78. M. Napobrassicæ, *Bjerkander, Act. Holm.* 1780, 196. M. decore, *Harr. Ex.* 146, *pl.* 43, *f.* 63. Anthomyia Brassicæ, *Wied. Zool. Mag.* i. 78, 27. Scatophaga ceparum? *Kirby and Sp. Intr. Ent.* i. 190. Egle vulgaris? *Desv. Essai Myod.* 584, 1. Aricia radicum, *Zett. Dipt. Scand.* iv. 1582, 196.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA ruficeps, *Meig. Dipt.* v. 177, 162.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

d. Azelidæ, *Desv. Essai Myod.* 591.

Group XIV. Azelia, *Desv. Essai Myod.* 592.

D. Pegomydæ, *Desv. Essai Myod.* 595.

Group I. Pegomya, *Desv. Essai Myod.* 598.

ANTHOMYIA bicolor, *Wied. Zool. Mag.* i. 77, 26. *Meig. Dipt.* v. 185, 177. *Zett. Ins. Lapp.* 696, 158. A. mitis, *Meig. Dipt.* v. 183, 173. Musca bicolor, *Fall. Musc.* 91, 128. M. lustrator, *Harr. Ex.* 148, *pl.* 43, *f.* 72. Pegomyia brunnicornis, *Desv. Essai Myod.* 599, 2. P. bicolor? *Macq. Hist. Nat. Dipt.* ii. 351, 4. P. mitis? *Macq. Hist. Nat. Dipt.* ii. 351, 2. Anthomyza mitis, *Zett. Dipt. Scand.* v. 1773, 157.
a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA germana, *Meig. Dipt.* v. 185, 176.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group II. Zabia, *Desv. Essai Myod.* 600.

Group III. Phorœa, *Desv. Essai Myod.* 600.

Group IV. Chlorina, *Desv. Essai Myod.* 602.

Group V. Phyllis, *Desv. Essai. Myod.* 603.

ANTHOMYIA diaphana, *Wied. Zool. Mag.* i. 81, 31. *Meig. Dipt.* v, 189, 185, vii. 328, 95. Musca diaphana, *Fall. Musc.* 92, 230. Phyllis flava? *Desv. Essai Myod.* 604, 2. Pegomyia diaphana, *Macq. Hist. Nat. Dipt.* ii. 353, 15. Anthomyza diaphana, *Zett. Dipt. Scand.* v. 1786, 170.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Note.—The following Anthomyiæ accord with Meigen's divisions; the preceding agree with Desvoidy's groups, which will be combined with the species of Meigen and of other authors in a future publication.

A. *Feeler-bristle feathered or hairy*, Meig. Dipt. v. pl. 44, f. 1, 2.

a. *Legs black.*

* *Eyes hairy.*

ANTHOMYIA albolineata, *Meig. Dipt.* v. 83, 2. Musca albolineata, *Fall. Musc.* 54, 38. Anthomyza albolineata, *Zett. Ins. Lapp.* 662, 2. Aricia albolineata, *Macq. Hist. Nat. Dipt.* ii. 286, 2. *Meig. Dipt.* vii. 313, 2. *Zett. Dipt. Scand.* iv. 1388, 2.
a. England.

ANTHOMYIA plumbea? *Meig. Dipt.* v. 85, 5. *Zett. Ins. Lapp.* 662, 5. Aricia plumbea, *Meig. Dipt.* vii. 314, 5. *Zett. Dipt. Scand.* iv. 1392, 5.
a. England.

ANTHOMYIA serva, *Meig. Dipt.* v. 86, 6. *Zett. Ins. Lapp.* 663, 10. Aricia serva, *Macq. Hist. Nat. Dipt.* ii. 287, 5. *Meig. Dipt.* vii. 314, 6. *Zett. Dipt. Scand.* iv. 1397, 10.
a. England.

ANTHOMYIA lugubris? *Meig. Dipt.* v. 87, 8. Aricia lugubris? *Meig. Dipt.* vii. 1400, 13. *Zett. Dipt. Scand.* iv. 1400, 13.
a. England.

ANTHOMYIA obscurata, *Meig. Dipt.* v. 89, 12. *Zett. Ins. Lapp.* 664, 12. Aricia obscurata, *Meig. Dipt.* vii. 314, 12. *Zett. Dipt. Scand.* iv. 1394, 8, var. Anthomyza Sahlbergi, *Zett. Ins. Lapp.* 664, 13.
a. England.

ANTHOMYIA Rugia, n. s., fem. *Nigro-cinerea, thorace subvittato abdomine nigro-æneo cano micante, palpis antennis pedibusque, nigris, alis nigro-fuscis.*

Body black, slightly shining, clothed with black hairs and bristles: front of the head adorned with gray lustre; epistoma slightly prominent; sides of the face without bristles: eyes dark red, hairy; fore part nearly flat, all the facets very small: sucker and palpi black; sucker clothed with tawny hairs; palpi beset with black bristles: feelers black, a little shorter than the face; third joint slightly increasing in depth from the base to the tip, which is almost truncated, more than twice the length of the second joint; bristle full twice the length of the third joint, its first and second joints short, but distinct; third joint tapering, feathered with very

short hairs: chest slightly tinged with gray, which has some indistinct paler stripes: abdomen elliptical, brassy black, adorned with hoary reflections, hardly broader or longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings blackish brown, darkest at the base; wing-ribs and veins black; tip cross-vein with two slight curves, the lower inward and more distinct than the other, which is outward; scales grayish white, with yellow borders; poisers black. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

** *Eyes not hairy.*

ANTHOMYIA litorea, *Meig. Dipt.* v. 90, 13.? *Zett. Ins. Lapp.* 670, 38. Musca litorea, *Fall. Musc.* 63, 60. Cœnosia litorea? *Meig. Dipt.* vi. 334. Aricia litorea, *Zett. Dipt. Scand.* iv. 1473, 83.

a. England.

ANTHOMYIA notata, *Meig. Dipt.* v. 90, 14. Musca notata, *Fall. Musc.* 62, 59. Spilogaster notata, *Macq. Hist. Nat. Dipt.* ii. 296, 10. Hylemyia notata, *Meig. Dipt.* vii. 316, 22. Aricia notata, *Zett. Dipt. Scand.* iv. 1412, 25.

a. England.

ANTHOMYIA duplicata, *Meig. Dipt.* v. 92, 17. *Zett. Ins. Lapp.* 667, 26. Spilogaster duplicata, *Macq. Hist. Nat. Dipt.* ii. 296, 9.? Hylemyia duplicata, *Meig. Dipt.* vii. 316, 26. Aricia duplicata, *Zett. Dipt. Scand.* iv. 1410, 23.

a. ———? From Mr. Children's collection.

ANTHOMYIA hilaris, *Meig. Dipt.* v. 94, 19, *pl.* 44, *f.* 9. *Zett. Ins. Lapp.* 666, 21. Musca hilaris, *Fall. Musc.* 57, 44. Hylemyia hilaris, *Macq. Hist. Nat. Dipt.* ii. 319, 13. *Meig. Dipt.* vii. 315, 17. Aricia hilaris, *Zett. Ins. Lapp.* iv. 1423, 33.

a. Ukraine. Presented by Dr. Dowler.

ANTHOMYIA puella, *Meig. Dipt.* v. 96, 23.

a. England.

ANTHOMYIA variata, *Meig. Dipt.* v. 97, 24. *Zett. Ins. Lapp.* 667, 25. Musca variata, *Fall. Musc.* 59, 51. Hylemyia variata, *Meig. Dipt.* vii. 315, 8. Aricia variata, *Zett. Dipt. Scand.* iv. 1418, 29.

a. England.

ANTHOMYIA sociata? *Meig. Dipt.* v. 98, 26.
a. England.

ANTHOMYIA ambigua, *Meig. Dipt.* v. 192, 191. A. divisa, *Meig. Dipt.* v. 99, 27. Musca ambigua, *Fall. Musc.* 56, 13. Anthomyza lineato-collis, *Zett. Ins. Lapp.* 629, 78. Hylemyia divisa, *Meig. Dipt.* vii. 315, 11. Aricia ambigua, *Zett. Dipt. Scand.* iv. 1415, 27.
a. England.

ANTHOMYIA partita, *Meig. Dipt.* v. 100, 29.
a. England.

ANTHOMYIA cinerosa. A. cinerella, *Meig. Dipt.* v. 100, 30. Hylemyia cinerella, *Meig. Dipt.* vii. 1450, 61. Aricia cinerosa, *Zett. Dipt. Scand.* iv. 1450, 61.
a. England.

ANTHOMYIA intermedia, *Meig. Dipt.* v. 102, 34.
a. England.

ANTHOMYIA albescens? A. albula? *Meig. Dipt.* v. 102, 35. Musca buccata, *Fall. Musc.* 65, 65. Hylemyia albula, *Meig. Dipt.* vii. 315, 15. Aricia albescens, *Zett. Dipt. Scand.* iv. 1520, 130.
a. ——— ? From Mr. Children's collection.

ANTHOMYIA ancilla? *Meig. Dipt.* v. 105, 38.
a. England.

ANTHOMYIA vespertina, *Meig. Dipt.* v. 107, 41. Musca vespertina, *Fall. Musc.* 58, 49. Hylemyia vespertina, *Meig. Dipt.* vii. 315, 13. Aricia vespertina, *Zett. Dipt. Scand.* iv. 1406, 20.
a. England.

ANTHOMYIA crassirostris? *Meig. Dipt.* v. 107, 42. Musca flavipennis? *Fall. Musc.* 59, 52.
a. England.

ANTHOMYIA dentimana, *Megerle, Meig. Dipt.* v. 109, 44.
a. England.

ANTHOMYIA denigrata, *Meig. Dipt.* v. 110, 46.
a. England.

ANTHOMYIA asella, *Meig. Dipt.* v. 110, 47.
a. England.

ANTHOMYIA nigrita, *Meig. Dipt.* v. 110, 48. Musca nigrita, *Fall. Musc.* 60, 53.
a. England.

ANTHOMYIA palposa, *Barnston's MSS.*, fem. *Nigra, capite antico argenteo, antennis palpis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: front of the head adorned with silvery lustre; epistoma not prominent; sides of the face without bristles: eyes dark red; fore part flat, its facets larger than those elsewhere: sucker and palpi black, hairy: feelers black, much shorter than the face; third joint linear, rounded at the tip, about twice the length of the second joint; bristle feathered with long hairs, twice? the length of the third joint: abdomen elliptical, a little longer, but not broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray; wing-ribs and veins black; tip cross-vein straight; scales dingy white, with tawny borders, the lower extending far beyond the upper; poisers ferruginous. Length of the body 3 lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA spinosa, *Barnston's MSS.*, mas. et fem. *Nigra, capite anticè cano micante, abdomine nigro-æneo setoso, palpis antennis pedibusque nigris, alis cinereis.*

Body black, thickly clothed with black hairs and bristles; front of the head adorned with hoary lustre; epistoma not prominent; sides of the face without bristles; sucker and palpi black: eyes pitchy, convex; all the facets very small: feelers black, nearly as long as the face; third joint linear, rounded at the tip, about thrice the length of the second joint; bristle feathered with long hairs to the tip, more than twice the length of the third joint: abdomen elliptical, brassy black, longer, but not broader than the chest, very thickly beset with stout black bristles: legs black, clothed with black hairs and bristles; foot-cushions tawny; claws long: wings gray; wing-ribs pitchy; veins black, pitchy at the base; lower cross-vein with three curves, the lower and the upper curves outward, the latter much more distinct than the former, as is also the middle one, which is inward; scales dingy white, with pale tawny borders; poisers tawny. *Female.*—Abdomen bronze black, tinged with gray, less hairy than that of the male. Length of the body 4 lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Apina, n. s., mas. et fem. *Nigro-cinerea, fulvescens, thorace nigro trivittato, abdominis segmentis nigro bimaculatis, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis basi subfulvis.*

Body black, clothed with black hairs and bristles: head hoary beneath; front adorned with white lustre; a gray stripe on the crown increasing in breadth from the eyelets to the base of the feelers; sides of the face with one or two bristles at the base; epistoma not prominent: eyes red, rather flat on the fore part, where the facets are a little larger than those elsewhere: sucker black, pitchy at the tip, clothed with a few tawny hairs; palpi black, beset with black bristles: feelers deep black, a little shorter than the face; third joint conical, rounded at the tip, a little more than twice the length of the second; bristle nearly thrice the length of the third joint, its second joint of moderate length, the third stout at the base, clothed with very short hairs till near the tip: chest adorned with a gray covering, which is mingled with tawny colour, and has three indistinct black stripes near together; breast hoary: abdomen obconical, a little longer and narrower than the chest, adorned with gray lustre, which has a tawny tinge; a black spot on each segment of the back: legs black, tinged with gray, clothed with black hairs and bristles; foot-cushions tawny: wings pale gray, with a slight tawny tinge at the base and along the veins near the fore border; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein slightly curved inward near the base, straight from thence to the tip; scales small, white, with pale yellow borders, the upper extending a very little beyond the lower; poisers pale tawny. Length of the body 3 lines; of the wings 6 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Anane, n. s., fem. *Nigro-cinerea, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis basi costaque fulvis.*

Body black, adorned with a dark gray covering, clothed with black hairs and bristles: sides of the face without bristles; epistoma very slightly prominent: eyes red, convex; all the facets very small: sucker black, clothed at the tip with tawny hairs; palpi black, slender, beset with black bristles: feelers black, nearly as long as the face; third joint linear, slightly rounded at the tip, less than twice the length of the second; bristle feathered with short hairs to the tip, about thrice the length of the third joint: abdomen obconical, longer and a little narrower than the chest: legs black,

clothed with black hairs and bristles; thighs and shanks tinged with gray; foot-cushions pitchy: wings pale gray, tawny towards the base and along the fore border; wing-ribs and veins tawny; lower cross-vein very slightly curved inward; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Lipsia, n. s., fem. *Nigro-cinerea, capite cano, abdomine cinereo-fulvo, palpis nigris, antennis ferrugineis, pedibus fulvis, tarsis nigris, alis subfulvis, marginibus posticis subcinereis.*

Body clothed with black hairs and bristles: head black, hoary in front; sides of the face without bristles; epistoma slightly prominent: eyes dark red, convex; facets of the fore part a little larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs towards the tip: palpi black, beset with black bristles: feelers ferruginous, nearly as long as the face; third joint linear, pitchy above and at the tip, which is almost truncated, more than twice the length of the second; bristle black, feathered with very short hairs to the tip, more than twice the length of the third joint, its first joint very short, second of moderate length: chest tinged with gray, adorned with four black stripes, of which the middle pair are parallel, narrow and distinct: abdomen obconical, adorned with a grayish tawny covering, longer than the chest; legs tawny, clothed with black hairs and bristles, rather long; feet black; foot-cushions tawny; fore feet widened towards the tips: wings slightly tawny, grayish along the hind borders; wing-ribs and veins tawny; veins black towards the tips; lower cross-vein much curved inward near the base, straight from thence to the tip; scales pale tawny, of moderate size, the upper extending a little beyond the lower; poisers yellow, tawny at the base. Length of the body 4 lines; of the wings 8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Pylone, n. s., fem. *Nigro-fusca, thorace nigro quadrivittato, abdomine subtessellato, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body black, covered with brown, clothed with black hairs and bristles: sides of the face without bristles; epistoma not prominent: eyes red; fore part rather flat, its facets hardly larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, as long as the face; third

joint linear, slender, rounded at the tip, nearly four times the length of the second; bristle fringed nearly to the tip with long hairs, more than twice the length of the third joint: chest adorned with four black stripes: abdomen obconical, slightly tessellated, a little longer and broader than the chest: legs black, tinged with gray, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; cross-veins clouded with brown; lower cross-vein straight till near the tip, where it is very slightly curved outward; scales of moderate size, dingy white, with pale tawny borders, the lower extending somewhat beyond the upper; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. North America. Presented by the Entomological Club.

ANTHOMYIA cana, n. s., mas. *Cana, palpis flavo-albis apice latis, antennis nigris, seta pilis brevissimis hirta, pedibus nigris, alis limpidis.*

Body black, covered with hoary bloom, clothed with black hairs and bristles: head adorned with white lustre; epistoma not prominent: sides of the face without bristles: eyes dark red, not hairy: sucker black, clothed at the tip with tawny hairs; palpi yellowish white, compressed, very broad: feelers black, very short, hardly more than half the length of the face, covered with hoary bloom; third joint about twice the length of the second, flat above, slightly convex beneath, rounded at the tip; bristle stout at the base, feathered nearly to the tip with very short hairs, a little longer than the third joint: abdomen elliptical, a little longer and narrower than the chest; tip curved beneath, like that of *Phania*: legs black, covered with hoary bloom, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs pitchy; veins black; lower cross-vein slightly curved inward; scales white, very large. Length of the body 2 lines; of the wings 4 lines.

a. New Holland. Presented by the Entomological Club.

ANTHOMYIA nigripennis, *Barnston's MSS.*, fem. *Nigra, capite cinereo micante, abdomine nigro-æneo, palpis antennis pedibusque nigris, alis cinereis, basi venarumque marginibus nigro-fuscis.*

Body black, slightly shining, clothed with black hairs and bristles; front of the head adorned with gray lustre; epistoma slightly prominent; sides of the face without bristles: eyes red; fore part nearly flat, all the facets very small: sucker and palpi black; sucker pitchy towards the tip, clothed with tawny hairs; palpi beset with black bristles: feelers black, a little shorter than

the face; third joint slightly increasing in depth from the base to the tip, which is almost truncated; bristle full twice the length of the third joint, feathered with hairs of moderate length: abdomen elliptical, brassy black, hardly broader or longer than the chest; legs black, clothed with black hairs and bristles; foot-cushions tawny: wings dark gray, blackish at the base and along the borders of the veins; wing-ribs and veins black; tip cross-vein straight along half the length from the base, slightly curved outward from thence to the tip; scales yellow, with pitchy borders. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Omole, n. s., fem. *Nigro-cinerea, capite fulvo vario, palpis antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: head with a tawny tinge about the eyelets, gray in front and beneath, clothed beneath with hoary hairs; epistoma ferruginous, not prominent; sides of the face fringed with bristles for one-third of the length; eyes red; fore part slightly convex, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint linear, rather deep, slightly rounded at the tip, near four times the length of the second; bristle more than twice the length of the third joint: chest and breast slightly tinged with gray: abdomen elliptical, tinged with gray, a little longer and broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs pitchy; veins black, pitchy towards the base; fourth longitudinal vein slightly curved outwards in its latter course, inclining to the form of a tip cross-vein, joining the border very little below the tip of the wing; lower cross-vein with two very slight curves, the lower inward, the other outward; scales yellowish-white, with pale tawny borders; poisers tawny. Length of the body 3—3½ lines; of the wings 6—7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA similis, *Barnston's MSS.*, fem. *Nigro-cinerea, capite albo micante, thorace subvittato, abdomine subtessellato, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, with a slight dark gray covering, clothed with black hairs and bristles: front of the head adorned with white lustre; epistoma not prominent; sides of the face without bristles:

eyes dark red; fore part slightly convex; all the facets very small: sucker and palpi black, hairy: feelers black, as long as the face; third joint linear, truncated at the tip, full thrice the length of the second joint; bristle feathered with rather long hairs, about twice the length of the third joint: chest indistinctly striped: abdomen oval, a little longer and broader than the chest, slightly tessellated with gray reflections: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings gray; wing-ribs and veins pitchy; tip cross-vein with two very slight curves, the lower inward, the other outward; third longitudinal vein a little inclined upward towards the tip; scales dingy white, the lower extending far beyond the upper; poisers tawny. Length of the body 3½—4 lines; of the wings 7—8 lines. Allied to *Musca*.

Var. β. Borders of the scales tawny.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA nigra, *Barnston's MSS.*, fem. *Nigro-fusca, abdomine cinereo subtessellato, palpis antennis pedibusque nigris, alis cinereis.*

Body black, with a slight dark brown covering, clothed with black hairs and bristles: epistoma slightly prominent; sides of the face bristly at the base: eyes red, convex; all the facets small: sucker and palpi black, hairy: feelers black, as long as the face; third joint linear, rounded at the tip, more than twice the length of the second; bristle feathered with long hairs, more than twice the length of the third joint: abdomen oval, slightly tessellated with dark gray reflections, a little longer and broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny; wings gray; wing-ribs and veins black; lower cross-vein straight at the base and having two curves from thence to the tip, the lower inward, much deeper than the other, which is outward; third longitudinal vein slightly inclined upward towards the tip; scales dingy white, with pale tawny borders. Allied to *Musca*. Length of the body 4 lines; of the wings 8 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Teate, n. s. *Nigro-fusca, capite antico fulvo, thorace subvittato, abdomine cinereo vitta nigra ornato, palpis antennis pedibusque nigris, alis flavo-cinereis.*

Body black, thickly clothed with black hairs and bristles: front of the head adorned with a tawny covering; epistoma slightly prominent; sides of the face without bristles: eyes dark red; fore

part nearly flat; all the facets very small: sucker and palpi black, hairy: feelers black; third joint deep, linear, rounded at the tip, much longer than the second; bristle stout and feathered with short hairs towards the base, very slender from thence to the tip, about thrice the length of the third joint: chest with a dark brown covering, indistinctly striped: abdomen gray, oval, adorned with a single black stripe, a little longer and broader than the chest: legs black, clothed with black hairs and bristles; shanks ferruginous; foot-cushions tawny: wings yellowish gray; wing-ribs and veins black; tip cross-vein with two curves, the lower inward, shorter and much more distinct than the other, which is outward and very slight; scales white, with pale tawny borders, the lower extending far beyond the upper; poisers tawny. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Orata, n. s., fem. *Nigra, pedibus nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: eyes bright red, convex; all the facets very small: legs black, clothed with black hairs and bristles: wings gray; wing-ribs and veins black; scales dingy white, with tawny borders, the lower extending beyond the upper. Length of the body 3 lines; of the wings 6 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

ANTHOMYIA nigrifrons, *Barnston's MSS.*, fem. *Nigra, flavo-fusco tecta, palpis antennis pedibusque nigris, alis subcinereis ad costam basi subfulvis.*

Body black, adorned with a yellowish brown covering, clothed with black hairs and bristles: epistoma slightly prominent; sides of the face without bristles: eyes dark red; fore part convex; all the facets very small: sucker and palpi black, hairy: feelers black, nearly as long as the face; third joint linear, almost truncated at the tip, more than twice the length of the second joint; bristle feathered with short hairs along the whole length, about twice the length of the third joint: abdomen nearly oval, not longer nor broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings pale gray, with a slight tawny tinge along the fore border towards the base; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein straight; scales dingy white, with pale tawny borders; poisers tawny. Length of the body 2½ lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Barpana, n. s., fem. *Nigro-cinerea, capite albo-micante, thorace trivittato, abdomine cano et ad apicem fulvo micante, palpis antennis pedibusque nigris, alis subfuscis.*

Body black, clothed with black hairs and bristles: front of the head adorned with white lustre; epistoma slightly prominent; sides of the face without bristles: eyes red, convex; all the facets very small: sucker and palpi black; sucker clothed with tawny hairs; palpi beset with black bristles: feelers black, a little shorter than the face; third joint nearly linear, truncated at the tip, more than twice the length of the second joint; bristle tapering, stout at the base, feathered with hairs of moderate length, more than twice the length of the third joint: chest adorned with three gray stripes, its sides and the breast tinged with gray: abdomen elliptical, as long and as broad as the chest, adorned with hoary lustre, which has a tawny tinge toward the tip; legs black, clothed with black hairs and bristles; foot-cushions tawny: wings slightly brown; wing-ribs and veins black; tip cross-vein with two very slight curves, the lower inward, the upper outward; scales white, with pale yellow borders; poisers black. Length of the body 3 lines; of the wings 6 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Narina, n. s., fem. *Cervina, palpis antennis pedibusque nigris, alis subcinereis basi subfulvis.*

Body pale fawn-colour, clothed with black hairs and bristles: breast and under side of the head hoary: epistoma not prominent; sides of the face without bristles: eyes pitchy; fore part slightly convex; all the facets very small: sucker and palpi black, hairy: feelers black, shorter than the face; third joint linear, rounded at the tip, about twice the length of the second; bristle feathered with short hairs for full half its length, bare from thence to the tip, more than twice the length of the third joint: abdomen nearly elliptical, a little broader but not longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray, with a tawny tinge towards the base; wing-ribs and veins black; veins yellow at the base; tip cross-vein nearly straight; scales white, with pale yellow borders; the lower advancing much beyond the upper; poisers bright pale tawny. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Concana, n. s., fem. *Cinerea, thorace vittis duabus nigris, abdomine maculis quatuor fuscis, palpis antennisque nigris, pedibus piceis, tarsis nigris, alis limpidis.*

Body gray, clothed with black hairs and bristles: epistoma not prominent; sides of the face without bristles: eyes bright red, convex; all the facets very small: sucker and palpi black, clothed with black hairs; feelers black, nearly as long as the face; third joint more than twice the length of the second, linear, its tip truncated above, rounded beneath; bristle slender, deeply feathered, full twice the length of the third joint: chest with two slender black stripes: abdomen obconical, a little longer but not broader than the chest; third and fourth segments adorned with a large brown spot on each side: legs pitchy, clothed with black hairs and bristles; feet black; foot-cushions pale yellow: wings colourless; wing-ribs and veins tawny; cross-veins black; tip cross-vein with two very indistinct curves, the lower outward, the upper inward; scales white, rather large, the lower extending beyond the upper; poisers tawny. Length of the body 2 lines; of the wings 5 lines.

a. China. Presented by G. T. Lay, Esq.

b. *Legs wholly or mostly yellow.*

* *Eyes hairy.*

ANTHOMYIA vagans, *Meig. Dipt.* v. 112, 51. *Zett. Ins. Lapp.* 688, 118. Musca vagans, *Fall. Musc.* 78, 93. Aricia vagans, *Macq. Hist. Nat. Dipt.* ii. 288, 9. *Meig. Dipt.* vii. 314, 18. Anthomyza vagans, *Zett. Dipt. Scand.* iv. 1638, 3.

a. England.

ANTHOMYIA Luteva, n. s., fem. *Nigro-cinerea, faciei lateribus scutelloque ferrugineis, thorace vittis quatuor nigris, abdomine nigro-æneo tessellis cinereis, palpis antennisque nigris, pedibus ferrugineis, femoribus nigro-vittatis, tarsis nigris, alis subcinereis, nervis transversis fusco nebulosis.*

Body black, adorned with a gray covering: epistoma prominent; sides of the face ferruginous, without bristles: eyes red; fore part rather flat, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint full four times the length of the second, slightly increasing in breadth towards the tip, which is rounded; bristle feathered nearly to the tip with long hairs, more than twice the length of the third joint:

chest adorned with four black stripes; scutcheon ferruginous: abdomen nearly elliptical, brassy black, tessellated with gray, a little broader, but not longer than the chest: legs ferruginous, clothed with black hairs and bristles; thighs striped with black; feet black; foot-cushions pitchy: wings slightly gray; wing-ribs pitchy; veins black; cross-veins clouded with brown; lower cross-vein with two curves, the lower inward, irregular, longer, but much less distinct than the other, which is outward; scales white, with yellow borders; poisers tawny. Length of the body 4 lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

** *Eyes not hairy.*

ANTHOMYIA modesta, *Wied. Meig. Dipt.* v. 119, 63. Aricia modesta, *Macq. Hist. Nat. Dipt.* ii. 293, 32. Hylemyia modesta, *Meig. Dipt.* vii. 316, 82. Anthomyza modesta, *Zett. Dipt. Scand.* iv. 1699, 71.

a. France.

ANTHOMYIA tetrastigma, *Meig. Dipt.* v. 120, 66.

a. England.

ANTHOMYIA clara, *Hoffmansegg, Meig. Dipt.* v. 121, 68.

a. ——— ? From Mr. Children's collection.

ANTHOMYIA simplex, *Wied. Zool. Mag.* i. 84, 38. *Meig. Dipt.* v. 122, 69.

a. ——— ? Presented by the Entomological Club.

b. ——— ? From Mr. Children's collection.

ANTHOMYIA sericata? *Meig. Dipt.* v. 124, 74.

a. France.

ANTHOMYIA coarctata, *Meig. Dipt.* v. 130, 85. Musca coarctata, *Fall. Musc.* 84, 108. Anthomyza coarctata, *Zett. Ins. Lapp.* 690, 127. *Dipt. Scand.* iv. 1644, 10. Hylemyia coarctata, *Macq. Hist. Nat. Dipt.* ii. 322, 26. *Meig. Dipt.* vii. 316, 41.

a. England.

ANTHOMYIA Bysia, n. s., fem. *Nigro-cinerea, capite antico cano lateribus ferrugineis, thorace nigro trivittato, humeris fulvis, abdomine cano, antennis piceis, basi palpisque ferrugineis, pedibus fulvis, tarsis nigris, alis subfulvis.*

Body slender, black: head and chest tinged with gray: front of the head slightly adorned with hoary lustre; sides of the face ferruginous, without bristles; epistoma not prominent: eyes bright red; fore part slightly convex, its facets a little larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers pitchy, as long as the face; first and second joints ferruginous; third joint linear, rounded at the tip, ferruginous at the base, almost thrice the length of the second joint; bristle feathered to the tip with short hairs, much more than twice the length of the third joint: chest with three black stripes; shoulders tawny: abdomen elliptical, a little longer and broader than the chest, adorned with a hoary covering: legs tawny, slender, clothed with black hairs and bristles; feet black: wings slightly tawny; wing-ribs and veins tawny; tip cross-vein very slightly curved inward along the whole length; scales small, white with yellow borders, the lower not extending beyond the upper; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Tröene, n. s., fem. *Nigra, fulvo tecta, thorace fusco quadrivittato, scutelli apice abdominisque segmentorum marginibus posticis fulvis, antennis nigris basi ferrugineis, palpis pedibusque fulvis, alis fulvo-subcinereis.*

Body black, clothed with black hairs and bristles, adorned with a fawn-coloured covering: head darker on the crown; epistoma not prominent; sides of the face without bristles: eyes red; fore part slightly convex; all the facets very small: sucker black, clothed with tawny hairs; palpi dark tawny, beset with black bristles: feelers black, as long as the face; first and second joints pale ferruginous; third joint linear, ferruginous at the base, truncated at the tip, about twice the length of the second joint; bristle feathered to the tip with short hairs, much more than twice the length of the third joint: chest adorned with four brown stripes; tip of the scutcheon tawny: abdomen oval, a little broader and longer than the chest; hind borders of the segments tawny: legs tawny, clothed with black hairs and bristles; foot-cushions pale tawny: wings pale gray, with a slight tawny tinge; wing-ribs tawny; veins black, tawny at the base; cross-veins clouded with dark brown; tip cross-

vein almost straight, but having a very indistinct inward curve; scales dingy white, with yellow borders, the lower extending far beyond the upper; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. Nova Scotia. From Lieut. Redman's collection..

ANTHOMYIA Æmene, n. s., fem. *Cervina, capite fulvo supra ferrugineo subtus canescente, thoracis lateribus scutello abdomineque fulvis, hujus suturis nigris, antennis piceis basi fulvis, palpis pedibusque fulvis, tarsis nigris, alis fulvis.*

Body clothed with black hairs and bristles: head tawny, ferruginous above, with a hoary tinge beneath; sides of the face without bristles; epistoma not prominent: eyes red, convex; all the facets very small: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, much shorter than the face; third joint pitchy, linear, ferruginous at the base, almost truncated at the tip, nearly twice the length of the second joint; bristle black, feathered to the tip with short hairs, about thrice the length of the third joint: chest and breast fawn-colour; sides pale tawny: scutcheon tawny: abdomen tawny, obconical, longer than the chest; sutures of the segments black: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions pitchy: wings tawny; wing-ribs and veins tawny; tips of the veins pitchy; tip cross-vein straight; scales tawny, small, the lower not extending much beyond the upper; poisers pale yellow. Length of the body 2½ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Alcathoe, n. s., mas. *Nigra, fulvo tecta, capite cano anticè fulvo, pectore cano. abdomine cano micante, vitta dorsali marginibusque segmentorum posticis nigris, antennis nigris basi ferrugineis, palpis pedibusque fulvis, tarsis nigris, alis fulvis, apicibus marginibusque posticis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with a hoary covering; face pale tawny, its sides without bristles; epistoma not prominent: eyes dark red; fore part rather flat, its facets larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, slender, beset with black bristles: feelers black, nearly as long as the face; first and second joints ferruginous; third joint about thrice the length of the second, very slightly convex beneath and equally concave above, almost truncated at the tip; bristle feathered to the tip with long hairs, more than twice the length of the third joint: chest adorned with a dull pale tawny co-

vering: breast hoary; scutcheon tawny beneath: abdomen obconical, longer than the chest, tawny with hoary reflections, and having a black stripe on the back, and a black band on the hind border of each segment: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions pitchy: wings tawny, pale gray at the tips and along the hind borders; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein curved inward along half the length from the base, almost straight from thence to the tip; scales yellow: wing-ribs tawny. Length of the body 3½ lines; of the wings 7 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Lysinoe, n. s., mas. *Nigra, cinereo-fulvo tecta, capite antice albo micante, facie cana lateribus fulvis; thorace nigro quadrivittato, abdomine fulvo, antennis nigris basi fulvis, palpis pedibusque fulvis, tarsis nigris, alis subcinereis.*

Body clothed with black hairs and bristles: head and chest adorned with a grayish tawny covering: head with a white lustre in front; face hoary, its sides tawny without bristles; epistoma not prominent: eyes red; fore part rather flat, its facets larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, nearly as long as the face; first and second joints tawny; third joint ferruginous at the base, almost thrice the length of the second joint, very slightly increasing in depth towards the tip, which is somewhat truncated; bristle feathered to the tip with short hairs, much more than twice the length of the third joint: chest with four black stripes: abdomen oval, tawny, hardly longer than the chest: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions pale yellow, large: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; tip cross-vein straight; scales dingy white, with yellow borders, the lower extending far beyond the upper; poisers tawny. Length of the body 2½—3 lines; of the wings 5—6 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Ausoba, n. s., fem. *Nigra, cinereo-fulvo vestita, capite supra fulvo subtus cano, antennis palpisque nigris, pedibus fulvis, alis subcinereis basi subfulvis.*

Body black, with a dull grayish tawny covering, clothed with black hairs and bristles: head bright pale tawny above, hoary beneath; sides of the face without bristles; epistoma not prominent: eyes red; fore part almost flat; all the facets very small: sucker black, clothed with tawny hairs; palpi black, beset with black bris-

tles: feelers black, nearly as long as the face; third joint linear, almost four times the length of the second, its tip truncated above, rounded beneath; bristle feathered nearly to the tip with moderately long hairs, much more than twice the length of the third joint: abdomen elliptical, a little longer than the chest: legs tawny, clothed with black hairs and bristles; claws black: wings pale gray, slightly tinged with tawny towards the base; wing-ribs and veins tawny; cross-veins darker; tip cross-vein straight; scales white, with yellow borders, the lower extending far beyond the upper; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Signia, n. s., fem. *Fulva, capitis vertice nigro, thorace antico vittis tribus canis, abdomine nigro basi fulvo apice subcano, antennis nigris basi fulvis, palpis pedibusque fulvis, tarsis nigris, alis subfulvis.*

Body tawny, beset with black hairs and bristles: crown of the head black; sides of the face without bristles; epistoma not prominent: eyes red; fore part slightly convex, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, nearly as long as the face; first and second joints tawny; third linear, truncated at the tip, almost thrice the length of the second joint; bristle feathered to the tip with very short hairs, almost thrice the length of the third joint: fore part of the chest adorned with three indistinct hoary stripes: abdomen black, oval, a little longer and broader than the chest, with a hoary tinge towards the tip; first segment and sides of the second and third segments tawny: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions pale tawny: wings slightly tawny; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein with two very indistinct curves, the lower outward, the other inward; scales yellow, of moderate size, the lower extending a little beyond the upper; poisers tawny. Very near allied to *A. Geldria*. Length of the body 3¼ lines; of the wings 6½ lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Peroe, n. s., fem. *Fulva, facie albo micante, thorace antico vittis tribus canis, abdominis apice nigro, palpis antennis pedibusque fulvis, alis subfulvis.*

Body tawny, clothed with black hairs and bristles: face adorned with white lustre, its sides without bristles; epistoma not prominent: eyes red; fore part slightly convex, its facets much

larger than those elsewhere: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, as long as the face; third joint long, linear, tinged with white, rounded at the tip, more than four times the length of the second joint; bristle feathered with long hairs, pitchy towards the tip, less than twice the length of the third joint: fore part of the chest adorned with three hoary stripes: abdomen a little longer than broad, black towards the tip, rather shorter than the chest: legs tawny, clothed with black hairs and bristles; claws black: wings slightly tawny; wing-ribs tawny; veins pitchy, tawny towards the base; tip cross-vein much curved inward along half the length from the base, almost straight from thence to the tip; scales pale yellow, with yellow borders, the lower extending far beyond the upper; poisers tawny. Length of the body 3½ lines; of the wings 8 lines.

a. Madras. Presented by Walter Elliot, Esq.

Male. ?—Eyes black: third joint of the feelers dark tawny, slightly increasing in depth towards the tip, hardly thrice the length of the second joint: fourth and fifth abdominal segments black, adorned with a tawny stripe, and with tawny hind borders: wing-veins black; tip cross-vein slightly curved inward.

a. East India. From Archdeacon Clerk's collection.

ANTHOMYIA Geldria, n. s., fem. *Fulva, capite cano micante, thorace antico vittis tribus canis, abdominis vitta dorsali nigra, antennis nigris basi ferrugineis, palpis pedibusque fulvis, tarsis nigris, alis subfulvis.*

Body tawny, clothed with black hairs and bristles: face and sides of the crown adorned with hoary lustre; sides of the face without bristles; epistoma not prominent: eyes dark red, convex; facets of the fore part hardly larger than those elsewhere: sucker ferruginous, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, a little shorter than the face; first and second joints pale ferruginous; third joint linear, ferruginous at the base, almost truncated at the tip, full twice the length of the second joint; bristle feathered to the tip with very short hairs, much more than twice the length of the third joint: fore part of the chest adorned with three indistinct hoary stripes: abdomen oval, a little longer and broader than the chest, adorned with a black stripe which begins near the base and widens towards the tip, where it occupies the whole breadth: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions pale tawny: wings slightly tawny; wing-ribs tawny; veins black, tawny towards the base;

tip cross-vein straight; scales yellow, of moderate size, the lower extending a little beyond the upper; poisers tawny. Length of the body 2¾ lines; of the wings 5½ lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Alone, n. s., fem. *Nigro-cinerea, capite antico subfulvo, palpis antennisque nigris, pedibus fulvis, alis subcinereis basi nervorumque marginibus subfulvis.*

Body black, clothed with black hairs and bristles, adorned with a gray covering: head silky and somewhat tawny in front; sides of the face without bristles; epistoma slightly prominent: eyes red; fore part nearly flat, its facets larger than those elsewhere: sucker black, clothed with tawny hairs; palpi long, black, slender, beset with black bristles: feelers black, nearly as long as the face; third joint flat above till just before the tip, where it slightly rises, indistinctly convex beneath, truncated at the tip, a little more than twice the length of the second joint; bristle feathered with short hairs to the tip, about twice the length of the third joint: chest not striped: abdomen obconical, longer and a little broader than the chest: legs stout, tawny, thickly clothed with hairs and bristles; claws long, black; foot-cushions very pale yellow: wings pale gray, with a slight tawny tinge on the fore border and along the borders of the veins; lower cross-vein almost straight; scales rather large, dingy white with yellow borders, the lower extending far beyond the upper; poisers yellow. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA soccata, *Barnston's MSS.*, fem. *Nigro-cinerea, thorace vittis tribus aut quinque nigro-æneis, palpis antennisque nigris, pedibus fulvis, tarsis nigris, alis subcinereis, basi nervorumque marginibus subfulvis.*

Body black, clothed with black hairs and bristles: head gray in front; sides of the face without bristles; epistoma slightly prominent: eyes dark red; facets larger than usual, especially on the fore part, which is slightly convex: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, rather more than twice the length of the second joint, slightly rounded at the tip, especially towards the underside; bristle feathered to the tip with long hairs, more than twice the length of the third joint: chest with dark gray covering, adorned with three, or perhaps, five black

stripes, which have a very slight brassy tinge: abdomen oval, a little broader but hardly longer than the chest, adorned with a gray covering, which has a tawny tinge, and is interrupted by a black stripe on the back: legs tawny, clothed with black hairs and bristles; shanks rather darker than the thighs; feet black: wings pale gray, slightly tawny at the base, and along the borders of the veins, especially of the cross-veins; lower cross-vein almost straight, though very slightly waving; scales pale tawny, with darker borders, of moderate size, the lower extending beyond the upper; poisers pale yellow, with tawny knobs. Length of the body 3 lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

B. *Feeler-bristle downy or bare.*

a. *Legs black.*

* *Eyes hairy.*

ANTHOMYIA occulta? *Wied. Meig. Dipt.* v. 133, 90. Anthomyza glabricula? Var. *c*. *Zett. Ins. Lapp.* 687, 18. Hydrotæa occulata? *Macq. Hist. Nat. Dipt.* ii. 305, 9. Lasiops hirta? *Meig. Dipt.* vii. 324, 2.

a. Italy. From Dr. Leach's collection.

** *Eyes not hairy.*

ANTHOMYIA irritans, *Meig. Dipt.* v. 134, 91. *Zett. Ins. Lapp.* 668, 30. Musca irritans, *Fall. Musc.* 62, 58. Hydrotæa irritans, *Macq. Hist. Nat. Dipt.* ii. 306, 13. *Meig. Dipt.* vii. 324, 4. Aricia irritans, *Zett. Dipt. Scand.* iv. 1431, 40.

a. ———?

ANTHOMYIA palæstrica, *Meig. Dipt.* v. 135, 93. Hydrotæa palæstrica, *Meig. Dipt.* vii. 1324, 6. Aricia palæstrica, *Zett. Ins. Lapp.* iv, 1428, 37.

a. ———?

ANTHOMYIA meteorica, *Meig. Dipt.* v. 137, 96. *Zett. Ins. Lapp.* 668, 32. Musca meteorica, *Linn. Faun. Suec.* 1849. *Fabr. Syst. Antl.* 306, 110. *Panz. Faun. Germ.* i. 19. M. vaccarum, *De Geer, Ins.* vi. 85, 14, *pl.* 5, *f.* 1. *Fall. Musc.* 64, 63. Hydrotæa meteorica, *Macq. Hist. Nat. Dipt.* ii. 306, 12. *Meig. Dipt.* vii. 324, 9. Aricia meteorica, *Zett. Dipt. Scand.* iv. 1427, 39.

a. England.

ANTHOMYIA incompta, *Meig. Dipt.* v. 138, 97.
a. England.

ANTHOMYIA armipes, *Meig. Dipt.* v. 138, 98. Musca armipes, *Fall. Musc.* 75, 86. Hydrotæa armipes, *Macq. Hist. Nat. Dipt.* ii. 305, 8. *Meig. Dipt.* vii. 324, 11. Aricia armipes, *Zett. Dipt. Scand.* iv. 1431, 44.
a. England.

ANTHOMYIA blanda, *Meig. Dipt.* v. 142, 103.
a. England.

ANTHOMYIA floricola? *Meig. Dipt.* v. 145, 106.
a. England.

ANTHOMYIA argyrocephala, *Meig. Dipt* v. 145, 107.
a. England.

ANTHOMYIA angustifrons, *Meig. Dipt.* v. 146, 109.
a. England.

ANTHOMYIA sponsa, *Wied. Meig. Dipt.* v. 147, 110.
a. England.

ANTHOMYIA compuncta, *Wied. Zool. Mag.* i. 80, 30. *Meig. Dipt.* v. 147, 111. Limnophora compuncta, *Macq. Hist. Nat. Dipt.* ii. 311, 5. Aricia compuncta, *Zett. Dipt. Scand.* iv. 1457, 68.
a. England.

ANTHOMYIA pacifica, *Meig. Dipt.* v. 149, 113.
a. England.

ANTHOMYIA omissa, *Meig. Dipt.* v. 149, 114.
a. France.

ANTHOMYIA cinerascens, *Meig. Dipt.* v. 150, 116.
a. England.

ANTHOMYIA diadema, *Meig. Dipt.* v. 151, 117.
a. England.

ANTHOMYIA tristis, *Meig. Dipt.* v. 153, 122.
a. England.

ANTHOMYIA atramentaria, *Meig. Dipt.* v. 153, 123.
a. England.

ANTHOMYIA carbonaria? *Meig. Dipt.* v. 154, 124.
a. England.

ANTHOMYIA fumigata? *Wied. Meig. Dipt.* v. 154, 125.
a. England.

ANTHOMYIA pratensis, *Meig. Dipt.* v. 158, 132.
a. England.

ANTHOMYIA albicincta, *Meig. Dipt.* v. 161, 138, vii. 327, 28. *Macq. Hist. Nat. Dipt.* ii. 338, 20. *Zett. Ins. Lapp.* 685, 106. Musca albicincta, *Fall. Musc.* 73, 81. Aricia albicincta, *Zett. Dipt. Scand.* iv. 1601, 216.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA triquetra, *Wied. Zool. Mag.* i. 85. *Meig. Dipt.* v. 162, 139, vii. 327, 26. *Zett. Ins. Lapp.* 685, 105. Musca ambulans, *Schrank, Faun. Boic.* iii. 2469. M. triquetra, *Fall. Musc.* 73, 80. M. ornata, *Harr. Ex.* 146, *pl.* 43, *f.* 64. M. lepida, var. β., *Fall. Musc.* 77. Aricia triquetra, *Zett. Dipt. Scand.* iv. 1590, 205.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

ANTHOMYIA gnava? *Meig. Dipt.* v. 164, 142.
a. England.

ANTHOMYIA floralis? *Meig. Dipt.* v. 165, 143, vii. 327, 33. *Macq. Hist. Nat. Dipt.* ii. 337, 15. Musca floralis? *Fall. Musc.* 71, 76. Anthomyza floralis? *Zett. Ins. Lapp.* 684, 102. Aricia floralis? *Zett. Dipt. Scand.* iv. 1536, 147.
a. England.

ANTHOMYIA promissa? *Meig. Dipt.* v. 166, 144.
a. England.

ANTHOMYIA antiqua? *Meig. Dipt.* v. 166, 145, vii. 327, 34. Aricia antiqua? *Zett. Dipt. Scand.* iv. 1566, 180.
a. England.

ANTHOMYIA varicolor? *Meig. Dipt.* v. 167, 146.
a. England.

ANTHOMYIA æstiva? *Meig. Dipt.* v. 169, 149.
a. England.

ANTHOMYIA platura? *Meig. Dipt.* v. 171, 152.
a. England.

ANTHOMYIA discreta? *Meig. Dipt.* v. 172, 155.
a. England.

ANTHOMYIA intersecta? *Meig. Dipt.* v. 175, 159, vii. 327, 48.
Aricia intersecta? *Zett. Dipt. Scand.* iv. 1548, 161.
a. England.

ANTHOMYIA Tyana, n. s., fem. *Fusco-nigra, capite anticè albido, thorace nigro trivittato, abdominis vitta et segmentorum suturis nigris, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, adorned with a pale brown covering, clothed with black hairs and bristles: head ferruginous at the base of the feelers, whitish in front; sides of the face without bristles; epistoma very slightly prominent: eyes red, convex; all the facets very small: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, deep, almost truncated at the tip, more than twice the length of the second; bristle downy, more than twice the length of the third joint: chest adorned with three brown stripes: abdomen spindle-shaped, a little longer than the chest, adorned with a black stripe; sutures of the segments black: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein straight, with the exception of a very slight inward curve in the middle part of its course; scales small, dingy white, with pale tawny borders; the lower not extending beyond the upper. Length of the body 2 lines; of the wings 4 lines.

a. Fayal. From. Mr. Children's collection.

ANTHOMYIA Narona, n. s., fem. *Fusco-nigra, thorace nigro-æneo vittis quatuor albis, abdomine fusco vitta albida lateribus albido-fulvis, apice ferrugineo, palpis antennis pedibusque nigris, alis subfuscis.*

Body black, adorned with a brown covering, clothed with black hairs and bristles: head adorned with white lustre; sides of the face without bristles; epistoma very slightly prominent: eyes red; fore part rather flat, its facets a little larger than those elsewhere: sucker long, black, slender, clothed at the tip with tawny hairs; palpi long, black, slender, widened at the tips, clothed with black hairs: feelers black, a little shorter than the face; third joint linear, slightly rounded at the tip, much longer than the second joint, but less than twice its length; bristle bare, much more than twice the length of the third joint, its first joint very short, the second rather long: chest with a slight brassy tinge, adorned with four broad

white stripes: abdomen whitish tawny on each side, adorned with a very broad rich brown stripe, which occupies the whole of the base, widens on the hind border of each segment, and contains a narrow whitish stripe; tip somewhat ferruginous: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly brown; wing-ribs ferruginous; veins black, ferruginous towards the base; lower cross-vein straight, with the exception of a very slight inward curve in the middle part of its course; scales of moderate size, dingy white, with pale tawny borders, the lower not extending beyond the upper; poisers tawny. Length of the body 2¼ lines; of the wings 4½ lines.

a. Florida. Presented by E. Doubleday, Esq.

ANTHOMYIA Donuca, n. s., mas. *Nigra, capite albo micante, thorace fulvo-cinereo subvittato, abdomine flavo-cano tessellato, palpis antennis pedibusque nigris, alis subcinereis basi subfulvis.*

Body black, clothed with black hairs and bristles: head adorned with white lustre; sides of the face with one or two bristles at the base; epistoma not prominent: eyes red; fore part rather flat, its facets a little larger than those elsewhere: sucker pitchy, clothed towards the tip with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint linear, slightly rounded at the tip, rather more than twice the length of the second joint; bristle nearly thrice the length of the third joint, its second joint of moderate length, third joint downy, stout at the base, slender from thence to the tip: chest adorned with a gray covering, which has a very slight tawny tinge and is indistinctly striped: abdomen obconical, tessellated with yellowish hoary reflections, a little longer and narrower than the chest: legs black, clothed with black hairs and bristles; foot-cushions dull tawny: wings pale gray, with a slight tawny tinge at the base; wing-ribs tawny; veins pitchy, tawny towards the base; lower cross-vein straight; scales rather small, white, with pale yellow borders, the lower not extending beyond the upper; poisers yellow, tawny at the base. Length of the body 3½ lines; of the wings 7 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Brixia, n. s. fem. *Nigra, capite argenteo micante, thoracis vittis duabus lateribus pectoreque canis, abdominis segmentorum lateribus cano maculatis, palpis antennisque nigris, pedibus piceis, alis subfuscis.*

Body black, clothed with black hairs and bristles: front of the head adorned with bright silvery lustre, which forms a stripe on

each side of the crown, ferruginous on each side of the peristoma; sides of the face fringed with bristles at the base; epistoma not prominent: eyes red, slightly convex; all the facets small: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint linear, rounded at the tip, more than twice the length of the second; bristle more than twice the length of the third joint, its first joint very short, second moderately long, third downy: chest adorned with two hoary stripes; breast and sides of the chest hoary: abdomen obconical, longer and narrower than the chest; a large square hoary spot on each side of every segment: legs dark pitchy, tinged with gray, clothed with black hairs and bristles; knees ferruginous; feet black; foot-cushions tawny: wings tinged with brown; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein curved inward for more than half the length from the base, straight from thence to the tip; scales white, of moderate size, the lower not extending beyond the upper; poisers tawny. Length of the body 3¼ lines; of the wings 6 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Sergia, n. s., mas. *Nigra, thorace fusco, pectore cano, abdominis segmentorum marginibus flavo-cano maculatis, palpis antennisque nigris, pedibus nigro-cinereis, alis subfuscis.*

Body black, clothed with black hairs and black bristles: front of the head slightly tinged with gray; sides of the face without bristles; epistoma not prominent; peristoma dark tawny: eyes convex, very bright red; all the facets very small: sucker black, clothed with tawny hairs: palpi black, beset with black bristles, club-shaped: feelers black, a little shorter than the face; third joint full thrice the length of the second, very slightly increasing in depth from the base to the tip, where it is obliquely truncated; bristle stout for one-third of the length, very slender from thence to the tip, more than twice the length of the third joint: chest brown: breast hoary: abdomen linear, narrower and a little longer than the chest, adorned with a very large yellowish hoary spot on each side of every segment; tip yellowish hoary: legs black, tinged with gray, clothed with black hairs and bristles; foot-cushions tawny: wings slightly brown; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein slightly curved inward; scales small, whitish; poisers pale tawny. Length of the body 2¼ lines; of the wings 5 lines.

a. Italy. From Dr. Leach's collection.

ANTHOMYIA Alaba, n. s., mas. *Nigra, thorace fusco, pectore cano, abdominis segmentorum lateribus flavo-cano maculatis, pedibus nigris, tibiis piceis, alis fuscis.*

Body clothed with black hairs and long black bristles: head wanting: chest brown: breast hoary: abdomen black, narrower and much longer than the chest, adorned with a large triangular spot of yellowish hoary lustre on each side of every segment: legs black, clothed with black hairs and bristles; shanks pitchy; foot-cushions pale tawny: wings brown; wing-ribs pitchy; veins black, pitchy towards the base; lower cross-vein straight; scales small; poisers pale tawny. Length of the body 1¼ line; of the wings 4 lines.

a. North America. Presented by the Entomological Club.

ANTHOMYIA Idyla, *Barnston's MSS.*, fem. *Nigra, thorace subfusco, abdomine subcinereo, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles; sides of the face without bristles; epistoma not prominent: eyes red; fore part nearly flat, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs: palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, almost truncated at the tip, about thrice the length of the second joint; bristle much more than twice the length of the third joint, rather stout towards the base: chest tinged with brown: abdomen elliptical, very slightly tinged with gray, a little longer than the chest: breast smooth, very shining: legs black, rather stout, clothed with black hairs and bristles; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; lower cross-vein with two slight curves, the lower outward, the upper inward; scales small, gray with dark tawny borders, the lower not extending beyond the upper; poisers pitchy. Length of the body 2 lines; of the wings 4½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Uxama, n. s., fem. *Nigro-cinerea, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, tinged with gray, clothed with black hairs and bristles: sides of the face without bristles; epistoma hardly prominent, its edge ferruginous: eyes brassy; fore part red, rather flat, its facets larger than those elsewhere: sucker black, clothed with

tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint very deep, rounded at the tip, about thrice the length of the second; bristle downy, rather stout at the base, much more than twice the length of the third joint, its second joint long: abdomen elliptical, a little longer than the chest: legs black, clothed with black hairs and bristles: foot-cushions pitchy: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein forming a very slight inward angle in the middle part of its course; scales small, whitish with pale yellow borders; poisers pale tawny. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Tinia, n. s., fem. *Cana, thorace fusco trivittato, abdomine maculis nigris trigonis vittato, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body adorned with a hoary covering, clothed with black hairs and bristles: a forked black spot succeeded by a ferruginous spot in front of the crown; sides of the face without bristles; epistoma slightly prominent, its fore side ferruginous: eyes red; fore part slightly convex, its facets a little larger than those elsewhere: sucker black, clothed towards the tip with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint linear, slightly rounded at the tip, about twice the length of the second; bristle downy, rather stout towards the base, much more than twice the length of the third joint: chest adorned with three pale brown stripes: abdomen oval, a little longer than the chest, adorned along the back with a black stripe, which forms a triangle on each segment, and is widened near the tip; fore borders of the segments black: legs black, clothed with black hairs and bristles; knees ferruginous; thighs and shanks tinged with gray; foot-cushions dark tawny: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein very indistinctly curved inward for half the length from the base, straight from thence to the tip; scales small, whitish with tawny borders, the lower not extending beyond the upper; poisers yellow, tawny at the base. Length of the body 2¼ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Badia, n. s. *Cana, thorace fusco quinquevittato, abdomine tessellato, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body black, clothed with black hairs and bristles, adorned with a hoary covering: head pale tawny in front; sides of the face without bristles; epistoma not prominent: eyes red; fore part slightly convex, its facets larger than those elsewhere: sucker black, clothed at the tip with tawny hairs: palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint about twice the length of the second, very slightly increasing in depth to the tip, which is rounded; bristle stout towards the base, very nearly thrice the length of the third joint: chest adorned with five indistinct brown stripes: abdomen spindle-shaped, a little longer and narrower than the chest, adorned with hoary reflections, very bristly towards the tip: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; foot-cushions tawny: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein very slightly curved inward for half the length from the base, straight from thence to the tip; scales rather small, white with pale yellow borders, the upper extending a little beyond the lower; poisers tawny. Length of the body 2½ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Perrima, n. s., mas. *Cana, capite nigro albo micante, thorace fusco trivittato, abdominis maculis trigonis et segmentorum marginibus anticis nigris, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body black, clothed with black hairs and bristles: front of the head adorned with a white lustre; sides of the face without bristles; epistoma slightly prominent: eyes red; fore part flat, its facets much larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, slightly rounded at the tip, more than twice the length of the second; bristle downy, much more than twice the length of the third joint, thick towards the base: chest and breast hoary: chest adorned with three pale brown stripes: abdomen spindle-shaped, narrower and a little longer than the chest, adorned with an irregular black stripe, which forms a triangle on each segment, and disappears towards the tip without being widened; fore borders of the segments black: legs black, clothed with black hairs and bristles; thighs and shanks slightly

tinged with gray; foot-cushions dark tawny: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein with two indistinct curves, the lower inward, the other outward; scales small, whitish with yellow borders, the lower not extending beyond the upper; poisers tawny. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Viana, n. s., fem. *Nigra, capite cano, thorace fusco vittis tribus obscurioribus, pectore fusco-cano, abdomine pallidè fusco, vitta et segmentorum marginibus anticis nigris, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with a hoary covering, yellowish brown on the crown, with the exception of a large black spot, which sends forth four rays behind, and is succeeded in front by a ferruginous spot at the base of the feelers; sides of the face without bristles; epistoma not prominent: eyes dark red, convex; all the facets very small; sucker black, clothed with tawny hairs at the tip; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint full twice the length of the second, almost truncated at the tip; bristle downy, rather stout towards the base, much more than twice the length of the third joint: chest light brown, adorned with three indistinct darker stripes; breast brownish hoary: abdomen pale brown, with a hoary tinge, slightly tessellated, elliptical, not longer than the chest, adorned with a black stripe; fore borders of the segments black: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; foot-cushions pitchy: wings slightly gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein with a very slight inward curve in the middle part of its course; scales whitish, with yellow borders, small, the lower not extending beyond the upper; poisers tawny. Length of the body 2½ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Acra, n. s., fem. *Nigro-cinerea, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body black, clothed with black hairs and bristles, slightly tinged with gray: sides of the face without bristles; epistoma hardly prominent, ferruginous on the fore side: eyes brassy; fore part red, rather flat, composed of larger facets than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with

black bristles: feelers black, shorter than the face; third joint flat above, convex beneath, obliquely truncated at the tip, full twice the length of the second joint; bristle downy, rather thick towards the base, much more than twice the length of the third joint: abdomen elliptical, a little longer than the chest: legs black, clothed with black hairs and bristles; thighs and shanks slightly tinged with gray; foot-cushions tawny: wings pale gray; wing-ribs tawny; veins black, tawny at the base; lower cross-vein straight at the base, slightly curved inward from thence to the tip; scales rather small, grayish with pale yellow borders, the lower hardly extending beyond the upper; poisers yellow. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ANTHOMYIA Isura, n. s., fem. *Cana, thorace vittis tribus fuscis, abdomine basi fulvo, palpis antennis tarsisque nigris, femoribus nigro-cinereis, tibiis piceis, alis subcinereis.*

Body black, clothed with black hairs and bristles, adorned with a hoary covering; a slightly fawn-coloured stripe extends from the feelers, and afterwards dividing, encloses a triangular space about the eyelets; sides of the face beset with two or three bristles at the base: epistoma not prominent: eyes red; fore part rather flat, its facets larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint flat above, slightly convex beneath, truncated at the tip, nearly thrice the length of the second; bristle downy, stout towards the base, much more than twice the length of the third joint, its second joint rather long: chest adorned with three indistinct pale brown stripes: abdomen obconical, tawny at the base, longer than the chest: legs black, clothed with black hairs and bristles; thighs tinged with gray; knees ferruginous; shanks pitchy; wings very slightly tinged with gray; wing-ribs and veins tawny, the latter pitchy towards the tips; lower cross-vein straight from the base to half the length, whence it is very slightly curved inward to the tip; scales rather small, white with pale yellow borders, the lower hardly extending beyond the upper; poisers yellow. Length of the body 2¼ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Canache, n. s., fem. *Nigra, abdomine croceo, segmentorum marginibus posticis nigris, palpis antennis pedibusque nigris, alis limpidis.*

Body black, clothed with black hairs and bristles: head tinged with gray; sides of the face without bristles; epistoma not prominent: eyes black; fore part rather flat, its facets larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, rather deep, slightly rounded at the tip, about thrice the length of the second joint; bristle full twice the length of the third joint: abdomen oval, orange, not longer than the chest; hind borders of the segments black: legs black, clothed with black hairs and bristles; knees ferruginous; shanks pitchy towards the base: wings colourless; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein straight, slightly curved upward at the tip; scales white, with yellow borders, the lower extending beyond the upper. Length of the body 2½ lines; of the wings 5 lines.

a. Egypt. Presented by Sir Gardner Wilkinson.

ANTHOMYIA Corelia, n. s., mas. *Fusca, thorace vittis tribus obscurioribus, abdomine nigro vittato, palpis antennis pedibusque nigris, alis subfuscis.*

Body black, with a brown covering, clothed with black hairs and bristles: head adorned with yellowish white lustre; sides of the face without bristles; epistoma very slightly prominent: eyes red; fore part nearly flat, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, much shorter than the face, third joint nearly linear, rather deep, rounded at the tip, much longer than the second, but less than twice its length; bristle black, more than thrice the length of the third joint, its first joint very short, second long, third stout and downy at the base, slender from thence to the tip: chest pale brown, with three dark brown stripes: hind scutcheon hoary: abdomen obconical, a little longer and narrower than the chest, adorned with black stripes, which disappear towards the tip: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly brown; wing-ribs pitchy; veins black, pitchy towards the base; tip cross-vein with two curves, the lower inward, much more distinct than the other which is outward; scales small, pale tawny with darker borders, the lower not appearing beyond the

upper; poisers tawny. Length of the body 1¾ lines; of the wings 4 lines.

a. Monte Video. Presented by C. Darwin, Esq.

ANTHOMYIA Cutilia, n. s., fem. *Cyanea, abdomine purpurascente, palpis antennis pedibusque nigris, alis subcinereis.*

Body dark blue, clothed with black hairs and bristles: front of the head adorned with white lustre; sides of the face without bristles; epistoma not prominent: eyes pitchy; fore part rather flat; all the facets very small: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, shorter than the face; third joint linear, rather deep, rounded at the tip, much longer than the second, but less than twice its length; bristle bare, full thrice the length of the third joint: abdomen bright purplish blue, oval, a little broader but hardly longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs and veins black; lower cross-vein straight at each end, curved inward in the middle part of its course; scales small, dark gray, with pitchy borders, the lower not extending beyond the upper; poisers pitchy. Length of the body 2¼ lines; of the wings 5 lines.

a. Monte Video. Presented by C. Darwin, Esq.

ANTHOMYIA determinata, n. s. *Nigro-cinerea, capite pectore abdomineque canis, abdominis apice piceo, palpis antennis pedibusque nigris, tibiis piceis, alis fusco-subcinereis.*

Body black, clothed with black hairs and bristles: head adorned with hoary lustre, with the exception of a nearly triangular black spot on each side of the crown near the base of the feelers; sides of the face without bristles; epistoma very prominent: eyes brassy red; fore part flat, its facets small, but a little larger than those elsewhere: sucker black, clothed with black hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face, resembling those of the first division of *Tachina;* third joint nearly round, hardly longer than deep, a little longer than the second; bristle more than twice the length of the third joint, its first joint short, second rather long, third very stout for one-third of the length from the base, slender from thence to the tip: chest tinged with gray: breast hoary: abdomen oval, a little longer than the chest, adorned with a hoary covering, somewhat pitchy towards the tip: legs black, clothed with black hairs and bristles; shanks pitchy; foot-cushions dark tawny: wings pale gray, with a slight

brown tinge; wing-ribs dark tawny; veins black, dark tawny towards the base; lower cross-vein straight, with the exception of a slight inward curve in the middle part of its course; scales white, large, the upper extending a little beyond the lower; poisers tawny. Length of the body 2 lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA Felsina, n. s., mas. *Cinereo-fulva, palpis pedibusque nigris, antennis piceis, alis cinereis.*

Body black, tinged with grayish tawny, clothed with black hairs and bristles: sides of the face without bristles; epistoma not prominent: eyes pitchy; fore part rather flat, its facets larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers pitchy, shorter than the face; third joint linear, rather deep, slightly rounded at the tip, more than twice the length of the second joint; bristle black, bare, more than twice the length of the third joint: abdomen elliptical, a little longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings gray; wing-ribs pitchy; veins black, pitchy at the base; tip cross-vein with two curves, the lower inward, deeper than the other which is outward; cross-veins clouded with brown; scales dull pale tawny, with brown borders, the lower extending far beyond the upper; poisers dark tawny. Length of the body 2½ lines; of the wings 5 lines.

a, Monte Video. Presented by C. Darwin, Esq.

ANTHOMYIA personata, n. s., mas. *Nigra, capite anticè albo, abdomine purpureo-cyaneo, albo micante, palpis antennis pedibusque nigris, alis limpidis.*

Body black, thickly clothed with black hairs and bristles: front of the head adorned with white lustre; sides of the face without bristles; epistoma very slightly prominent, adorned with a ferruginous spot on each side: eyes dark red; fore part rather flat, its facets larger than those elsewhere: sucker black, clothed with dark tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint linear, almost truncated at the tip, more than twice the length of the second; bristle slender, rather more than twice the length of the third joint, its second joint of moderate length, third stout at the base: abdomen dark blue, tinged with purple, adorned with white reflections towards the tip, not longer than the chest: legs black, clothed with black hairs and bristles; hind shanks beset with a fringe of long black bristles; foot-cushions dark tawny: wings colourless; wing-ribs pitchy; veins

black; second and third longitudinal veins very slightly inclined towards each other near the tips; lower cross-vein with two very indistinct curves, the lower inward, the other outward; scales with pitchy borders, the upper extending beyond the lower. Length of the body 2 lines; of the wings 5 lines. Allied to *Musca*.

a, New Holland. Presented by the Entomological Club.

ANTHOMYIA Setia, n. s., fem. *Nigra, palpis antennisque ferrugineis, pedibus nigris, alis limpidis, basi nervorumque marginibus subfulvis.*

Body black, shining, clothed with black hairs and bristles: sides of the face without bristles; epistoma not prominent: eyes brassy; fore part red, rather flat, its facets larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers pale ferruginous, a little shorter than the face; third joint dark, linear, slightly rounded at the tip, nearly thrice the length of the second; bristle black, slender, bare, rather stout at the base, more than twice the length of the third joint: legs black, clothed with black hairs and bristles; knees dark ferruginous; foot-cushions pitchy: wings colourless, slightly tawny at the base and along the borders of the veins; wing-ribs tawny; veins black, tawny at the base; lower cross-vein with two very slight curves, the upper inward, the lower outward; tips of the second and third longitudinal veins slightly inclined towards each other; scales rather small, white with yellow borders, the lower not extending beyond the upper. Length of the body $2\frac{1}{4}$ lines; of the wings $4\frac{1}{2}$ lines.

a. Galapagos. Presented by C. Darwin, Esq.

ANTHOMYIA Opalia, n. s., mas. et fem. *Nigro-cyanea, capite albo micante, antennis piceis seta basi pubescente, palpis pedibusque nigris, alis limpidis.*

Body clothed with black hairs and bristles: head covered with white lustre; sides of the peristoma fringed with bristles; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes red: fore part flat, its facets much larger than those elsewhere: sucker black, clothed at the tip with tawny hairs; palpi black, beset with black bristles: feelers pitchy; third joint linear, rounded at the tip, thrice the length of the second; bristle downy at the base, much more than twice the length of the third joint: chest and abdomen bluish black, shining; abdomen elliptical, not longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings colourless; wing-ribs tawny;

veins black, tawny towards the base; tip cross-vein slightly curved inward along the whole length; scales white, with yellow borders, the lower extending far beyond the upper; poisers tawny. Length of the body 2¾ lines; of the wings 5¼ lines.

a. Nova Scotia. From Lieut. Redman's collection.

ANTHOMYIA ruficeps? *Meig. Dipt.* v. 177, 162.
a.——?

ANTHOMYIA decolor, *Meig. Dipt.* v. 198, 201. Musca decolor? *Fall. Musc.* 68, 70. Anthomyza decolor? *Zett. Ins. Lapp.* 679, 81. Aricia decolor, *Zett.Ins. Lapp.* iv. 1525, 136.
a. England.

ANTHOMYIA cinerea? *Meig. Dipt.* v. 199, 203. Musca flavicans? *Panz. Faun. Germ.* 54, 18. M. cinerea? *Fall. Musc.* 70, 75. M. floralis, *Fall. Musc.* 71, 76. Anthomyza cinerea? *Zett. Ins. Lapp.* 671, 41.
a. England.

ANTHOMYIA parvula? *Meig. Dipt.* v. 200, 205. Musca parvula? *Fall. Musc.* 75, 85. Aricia parvula, *Zett. Dipt. Scand.* iv. 1604, 219.
a. England.

ANTHOMYIA serena? *Meig. Dipt.* v. 200, 206. Musca serena? *Fall. Musc.* 76, 88. Anthomyza serena, *Zett. Ins. Lapp.* 685, 108. *Dipt. Scand.* iv. 1594, 208.
a. England.

ANTHOMYIA sulciventris? Aricia sulciventris? *Zett. Dipt. Scand.* iv. 1451, 62.
a. England.

ANTHOMYIA ——?
a. Haparanda. Presented by the Entomological Club.

ANTHOMYIA ——?
a. Stockholm. Presented by the Entomological Club.

ANTHOMYIA ——?
a. Upsal. Presented by the Entomological Club.

ANTHOMYIA ——?
a. ——? From Mr. Children's collection.

ANTHOMYIA ——— ?
a. ——— ? From Mr. Children's collection.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. England.

ANTHOMYIA ——— ?
a. France.

b. *Legs yellow. Eyes not hairy.*

ANTHOMYIA setaria? *Wied. Meig. Dipt.* v. 178, 165.
a. England.

ANTHOMYIA Megerlei? *Meig. Dipt.* v. 179, 166.
a. England.

ANTHOMYIA Winthemi? *Meig. Dipt.* v. 186, 179, vii. 328, 88. Anthomyza Winthemi? *Zett. Dipt. Scand.* v. 1792, 177.
a. England.

ANTHOMYIA solennis? *Meig. Dipt.* v. 187, 180.
a. England.

ANTHOMYIA varia, *Meig. Dipt.* v. 187, 182. Cænosia varia, *Macq. Hist. Nat. Dipt.* ii. 349, 26.
a. England.

ANTHOMYIA temperata? *Meig. Dipt.* v. 188, 183.
a. England.

ANTHOMYIA diaphana, *Wied. Zool. Mag.* i. 31. *Meig. Dipt.* v. 189, 185, vii. 328, 95. Musca diaphana, *Fall. Musc.* 92, 130. Pegomyia diaphana, *Macq. Hist. Nat. Dipt.* ii. 353, 15. Anthomyza diaphana, *Zett. Dipt. Scand.* iv. 1786, 170.
a. England.

ANTHOMYIA ornata? *Meig. Dipt.* v. 191, 188.
a. England.

ANTHOMYIA pruinosa? *Meig. Dipt.* v. 191, 189.
a. England.

ANTHOMYIA calceata? *Megerle, Meig. Dipt.* v. 192, 190.
a. England.

ANTHOMYIA socia? *Meig. Dipt.* v. 201, 208. Musca socia? *Fall. Musc.* 82, 104. Anthomyza socia? *Zett. Dipt. Scand.* iv. 1680, 48.
a. England.

ANTHOMYIA brunneilinea? Aricia brunneilinea, *Zett. Dipt. Scand.* iv. 1448, 58.
a. England.

ANTHOMYIA frontata? Aricia frontata? *Zett. Dipt. Scand.* iv. 1453, 64. Anthomyza frontata? *Zett. Ins. Lapp.* 669, 35.
a. England.

ANTHOMYIA didyma? Aricia didyma? *Zett. Dipt. Scand.* iv. 1461, 72. Anthomyza didyma? *Zett. Ins. Lapp.* 683, 100.
a. England.

ANTHOMYIA Daicles, n. s. *Nigro-cinerea, thorace vittis tribus obscurioribus, abdomine cervino, pedibus fulvis, tarsis nigris, alis subcinereis basi subfulvis.*

Body black, clothed with black hairs and bristles: front of the head adorned with white lustre; crown yellowish brown, adorned with two black stripes, which unite towards the base of the feelers; sides of the face without bristles; epistoma hardly prominent: eyes red; facets of the fore part a little larger than those elsewhere: sucker pitchy, clothed with dark tawny hairs; palpi black, beset with black bristles: feelers black, as long as the face; third joint slightly tinged with gray, more than twice the length of the second, very slightly concave above and equally convex beneath, rounded at the tip; bristle much more than twice the length of the third joint, its second joint rather short, third stout at the base, downy to

the tip: chest gray, with three indistinct darker stripes: breast paler gray: abdomen elliptical, fawn-coloured, a little longer and broader than the chest: legs tawny, clothed with black hairs and bristles; feet black; foot-cushions pale tawny: wings very pale gray, tinged with tawny at the base, and more slightly so along the borders of the veins; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein clouded with brown, having three very indistinct curves, the first and the third outward, the middle one inward; scales rather large, pale gray with tawny borders, the lower extending much beyond the upper; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. Haparanda. Presented by the Entomological Club.
b. Isle of Soröe. Presented by F. Walker, Esq.
c. Hammerfest. Presented by F. Walker, Esq.

ANTHOMYIA Mervinia, n. s., mas. *Nigra, capite cano, thorace fasciis duabus flavis, abdomine flavo, segmentorum marginibus posticis fuscis, palpis nigris antennis piceis, pedibus fulvis, alis subfulvis.*

Body black, clothed with black hairs and bristles: head adorned with a hoary covering; sides of the face without bristles; epistoma slightly prominent: eyes red; fore part rather flat, its facets larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers pitchy, a little shorter than the face; third joint linear, rounded at the tip, nearly thrice the length of the second; bristle black, bare, more than twice the length of the third joint: chest adorned with two broad pale yellow bands: abdomen yellow, oval, a little broader but not longer than the chest; hind borders of the segments brown: legs tawny, clothed with black hairs and bristles: wings rather short, with a very slight tawny tinge; wing-ribs tawny; veins black, tawny at the base; lower cross-vein straight, very oblique, distant by its length from the middle cross-vein; scales large, white with tawny borders, the lower extending far beyond the upper. Length of the body 2½ lines; of the wings 4¼ lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

DRYMEIA, *Meigen.*

DRYMEIA obscura, *Meig. Dipt.* v. 234, 1. *Desv. Essai Myod.* 561. 1. *Macq. Hist. Nat. Dipt.* ii. 322, 1. Musca hamata, *Fall. Musc.* 57.
a. England.

ERIPHIA, *Meigen.*

ERIPHIA Arelate, n. s., mas. *Nigra, palpis antennis pedibusque nigris, alis nigro-cinereis basi subfuscis.*

Body black, clothed with black hairs and bristles, which latter are very thick towards the tip of the abdomen: sides of the face without bristles; epistoma slightly prominent; eyes red, having a narrow space between them on the crown; fore part nearly flat, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint tapering from the base to the tip, where it is truncated, much longer than the second, but not twice its length; bristle bare, very stout near the base, very slender from thence to the tip, about thrice the length of the third joint, its first joint very short, second long: abdomen obconical, longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings dark gray, tinged with brown at the base and along the borders of the veins; wing-ribs and veins black; lower cross-vein straight, with the exception of a slight inward curve in the middle part of its course; scales rather small, dingy white with yellow borders, the lower not extending beyond the upper; poisers ferruginous. Length of the body 3 lines; of the wings 6 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA ciliata, *Barnston's MSS.*, mas. *Nigra, capite antico argenteo, palpis antennis pedibusque nigris, alis nigro-cinereis basi fuscis.*

Body black, very thickly clothed with black hairs and bristles: front of the head adorned with bright silvery lustre; sides of the face without bristles; epistoma prominent: eyes red; fore part rather flat, its facets larger than those elsewhere: sucker black, clothed with dark tawny hairs; palpi black, beset with black bristles: feelers black, much shorter than the face; third joint not longer than the second, convex above, straight beneath, obliquely truncated at the tip: abdomen slightly tapering from the base to the tip, very hairy on each side, longer and narrower than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings dark gray, brown at the base; wing-ribs and veins black; lower cross-vein nearly straight; scales small, tinged with gray, their borders pale yellow, the upper extending a

little beyond the lower; poisers pitchy. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA grisea, *Barnston's MSS.*, mas. *Nigro-cinerea, capite antice argenteo, thoracis lateribus albo vittatis, abdomine cano subtessellato, palpis antennisque nigris, pedibus nigro-cinereis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head ferruginous on each side of the peristoma; front adorned with white lustre: sides of the face without bristles; epistoma not prominent: eyes dark red; fore part slightly convex, its facets larger than those elsewhere: sucker black, clothed with a few tawny hairs; palpi black, slender, beset with black bristles: feelers black, a little shorter than the face; third joint full twice the length of the second, slightly decreasing in depth from the base to the tip, which is rounded; bristle stout at the base, clothed nearly to the tip with very short black hairs, nearly thrice the length of the third joint: chest and breast tinged with dark gray; each side adorned with a white stripe: abdomen obconical, longer and narrower than the chest, slightly tessellated with hoary reflections, which are mostly on each side: legs black, clothed with black hairs and bristles, slightly tinged with gray; foot-cushions pitchy; wings pale gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein slightly curved inward along half the length, nearly straight from thence to the tip; scales whitish, with pale yellow borders, the upper extending a little beyond the lower; poisers tawny. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA? Acela, n. s., fem. *Nigra, capite subtus cano, thorace cano, quadrivittato, pectore cinereo, abdominis lateribus cano maculatis, palpis antennisque nigris, pedibus nigro-cinereis, alis cinereis.*

Body black, rather broad, thickly clothed with black hairs and bristles: head hoary beneath; front tinged with gray; sides of the face fringed with bristles at the base; epistoma prominent: eyes red; fore part nearly flat, its facets larger than those elsewhere: sucker black, long, clothed at the tip with tawny hairs; palpi long, black, slender, beset with black bristles: feelers black, nearly as long as the face; third joint deep, linear, almost truncated at the tip,

much longer than the second joint; bristle downy, much more than twice the length of the third joint, stout towards the base, its second joint rather long: chest adorned with four irregularly hoary stripes; breast gray: abdomen elliptical, rather flat, adorned above with a very large hoary spot on each side of every segment, hoary beneath and at the tip, a little shorter and broader than the chest: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; foot-cushions tawny: wings gray; wing-ribs pitchy; veins black, pitchy at the base; lower cross-vein straight for one-third of the length from the base, very slightly curved inward from thence to the tip; scales pale yellow, very small; poisers tawny. Length of the body 2½ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA biquadrata, *Barnston's MSS.*, mas. *Nigra, abdomine cano maculis quatuor nigris, palpis antennisque nigris, pedibus nigro-cinereis, alis nigro-fuscis.*

Body black, clothed with black hairs and bristles: face gray, its sides fringed with bristles at the base; epistoma not prominent: eyes red; fore part slightly convex, its facets a little larger than those elsewhere; sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, shorter than the face; third joint a little more than twice the length of the second, flat above, slightly convex beneath, somewhat rounded at the tip; bristle bare, slender, rather stout at the base, much more than twice the length of the third joint: abdomen obconical, hoary, adorned with four very large square black spots on the first and the second segments, as broad as the chest and a little longer: legs black, slightly tinged with gray; foot-cushions dark tawny: wings dark brown; wing-ribs ferruginous; veins black; lower cross-vein very nearly straight, but having an indistinct tendency to the two usual curves; scales pale brown, rather large, the lower extending beyond the upper; poisers tawny. Length of the body 1¾ line; of the wings 3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA lata, *Barnston's MSS.*, fem. *Nigra, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, clothed with black hairs and bristles: sides of the face without bristles; epistoma not prominent: eyes red; fore part

slightly convex, its facets a little larger than those elsewhere: sucker black, clothed towards the tip with dark tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; third joint linear, truncated at the tip, much longer than the second: abdomen elliptical; a little longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly gray; wing-ribs pitchy; veins black, pitchy at the base; lower cross-vein with a slight inward curve near the tip, and a more slight outward curve near the base; scales of moderate size, gray with dull tawny borders, the lower extending beyond the upper; poisers black. Length of the body 1½ line; of the wings 3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA Lamnia, n. s., mas. *Nigra, abdomine cinereo vitta interrupta nigra, palpis antennis pedibusque nigris, alis cinereis.*

Body black, thickly clothed with black hairs and bristles: sides of the face fringed with bristles at the base; epistoma prominent: eyes red; fore part rather flat, its facets rather larger than those elsewhere: sucker black, clothed with tawny hairs: palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint almost round, hardly longer than deep, a little longer than the second; bristle bare, much more than twice the length of the third joint, very stout for one-third of the length, slender from thence to the tip: abdomen obconical, gray with an interrupted black stripe, very thickly beset with bristles, narrower but not longer than the chest; sutures of the segments black: legs black, clothed with black hairs and bristles; foot-cushions pale tawny: wings gray; wing-ribs and veins black; lower cross-vein with a very indistinct inward curve; scales small, white with pale yellow borders, the upper extending a little beyond the lower; poisers tawny. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA marginata, *Barnston's MSS. Nigro-cinerea, capite ferrugineo fulvoque vario, abdomine cano. segmentorum marginibus anticis nigris, palpis antennisque nigris, pedibus nigro-cinereis, alis cinereis.*

Body black, clothed with black hairs and bristles: head adorned with a ferruginous spot in front of the crown at the base of the feelers, and with a tawny stripe on each side of the crown and

of the face; sides of the face without bristles; epistoma prominent, ferruginous on the fore side: eyes red, convex; all the facets very small: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint flat above, convex beneath, obliquely truncated at the tip, more than twice the length of the second joint; bristle bare: chest and breast slightly tinged with gray: abdomen elliptical, a little longer than the chest, adorned with a hoary covering, which has a slight tawny tinge; fore borders of the segments black: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; foot-cushions dark tawny: wings gray; wing-ribs tawny; veins black, tawny at the base; lower cross-vein slightly curved inward; scales very small, white with pale yellow borders; poisers pale tawny. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA pretiosa, *Barnston's MSS. Nigro-ænea, capite antico cinereo, palpis antennis pedibusque nigris, alis nigro-fuscis.*

Body black, clothed with black hairs and bristles: head adorned with a dark gray stripe, which widens from the crown to the base of the feelers; a little gray stripe on each side of the feelers; face and underside of the head gray; sides of the face fringed with bristles at the base; epistoma not prominent: eyes dark red; fore part flat, its facets larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint longer than the second, slightly increasing in depth from the base to the tip, which is somewhat truncated; bristle bare, rather more than twice the length of the third joint, stout at the base: chest and abdomen with a very slight brassy tinge: abdomen obconical, hardly longer than the chest: legs black, clothed with black hairs and bristles; foot-cushions tawny: wings dark brown; wing-ribs and veins black; lower cross-vein nearly straight, but with a very indistinct tendency to two curves, the lower inward, the other outward; scales small, gray with tawny borders, the upper extending a little beyond the lower; poisers tawny. Length of the body $2\frac{1}{2}$ lines; of the wings $5\frac{1}{4}$ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ERIPHIA flavifrons, *Barnston's MSS.*, fem. *Nigro-cinerea, capite ferrugineo, ventre flavo, palpis antennis pedibusque nigris, tibiis fulvis, alis subcinereis.*

Body black, clothed with black hairs and bristles: head bright ferruginous on each side and in front of the crown, and on the sides of the face and of the peristoma; sides of the face without bristles; epistoma not prominent: eyes black, convex; facets of the fore part a little larger than those elsewhere: sucker and palpi black, tawny at the base; sucker clothed with tawny hairs; palpi beset with black bristles: feelers black, nearly as long as the face; third joint rather deep, nearly linear, slightly rounded at the tip, more than twice the length of the second; bristle bare, rather stout at the base, much more than twice the length of the third joint: chest, breast and abdomen gray: abdomen oval, a little longer than the chest; under side pale yellow, with a narrow gray stripe: legs black, clothed with black hairs and bristles; hips and thighs tinged with gray; shanks tawny with dark tips: wings slightly gray; wing-ribs tawny; veins black, tawny at the base; lower cross-vein very slightly curved inward; scales rather small, white with pale yellow borders, the lower extending very little beyond the upper; poisers pale tawny. Length of the body 2¼ lines; of the wings 4½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DIALYTA, *Meigen.*

DIALYTA? cupreifrons, *Barnston's MSS.*, fem. *Nigro-cinerea, thorace antico fusco bivittato, pedibus nigro-cinereis, genubus ferrugineis, alis cinereis.*

Body black, clothed with black hairs and bristles: head wanting: chest, breast and abdomen tinged with gray: fore part of the chest adorned with three pale brown stripes: abdomen oval, a little longer than the chest: legs black, clothed with black hairs and bristles; thighs and shanks slightly tinged with gray; knees dark ferruginous; foot-cushions tawny: wings gray; wing-ribs tawny; veins black, tawny at the base; lower cross-vein straight; scales small, white with pale yellow borders, the upper extending a little beyond the lower; poisers tawny. Length of the body 2¼ lines; of the wings 4½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CÆNOSIA, *Meigen*.

A. *Feeler-bristle hairy.*

CÆNOSIA fungorum, *Meig. Dipt.* v. 211, 1. Musca fungorum, *Deg. Ins.* vi. 42, 18, *pl.* 5, *f.* 1—7. *Fall. Musc.* 89, 121.

a. England.

CÆNOSIA tigrina, *Meig. Dipt.* v. 212, 2. *Macq. Hist. Nat. Dipt.* ii. 344, 1. Musca tigrina, *Fabr. Sp. Ins.* ii. 444, 42. *Ent. Syst.* iv. 322, 42. *Syst. Antl.* 297, 66. *Turt.* iii. 602. M. rapax, *Stew. El.* ii. 260. M. quadrum, *Fall. Musc.* 80, 99. Caricea communis, *Desv. Essai Myod.* 531, 2. Anthomyza tigrina? *Zett. Dipt. Scand.* iv. 1712, 89.

a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. France.

CÆNOSIA Alete, n. s., fem. *Nigro-cinerea, capite cano, abdominis segmentorum marginibus posticis fulvis, palpis fulvis, antennis pedibusque nigris, femoribus apice tibiisque basi fulvis, alis cinereis.*

Body black, rather narrow: head hoary; epistoma not prominent; crown black; sides of the face without bristles: eyes bright red; fore part flat, its facets much larger than those elsewhere: sucker black, clothed at the tip with a few tawny hairs; palpi tawny, club-shaped, clothed with short black hairs: feelers black, nearly as long as the face; third joint about thrice the length of the second, linear, rounded at the tip; bristle nearly twice the length of the third joint, deeply feathered, stout near the base, very slender towards the tip: chest and abdomen slightly tinged with bluish gray: abdomen nearly cylindrical, a little longer than the chest; hind borders of the segments tawny: legs black, stout, clothed with black hairs and bristles; tips of the thighs and shanks towards the base tawny: wings gray, rather narrow; wing-ribs and veins black; tip cross-vein straight; third longitudinal vein very slightly curved outward near the tip, which joins the border at the tip of the wing; scales white, with yellow borders, rather large, the lower twice the length of the upper; poisers tawny. Length of the body 3 lines; of the wings 5 lines.

a. Egypt. Presented by Sir Gardner Wilkinson.

CÆNOSIA spinosa, *Barnston's MSS.*, fem. *Cinerea, capite cano, palpis antennisque nigris, articulo 2° apice ferrugineo, pedibus fulvis, alis limpidis.*

Body black, with a gray covering, clothed with black hairs and bristles: head adorned with a hoary covering, which has a tawny

tinge above: eyes red; fore part rather flat, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, nearly as long as the face; second joint ferruginous at the tip; third joint linear, about four times the length of the second, truncated at the tip; first joint of the bristle very short; second joint long; third joint about thrice the length of the second, feathered with very short hairs from the base to the tip: sides of the face without bristles; epistoma not prominent: abdomen obconical, very much longer than the chest: legs tawny, clothed with black hairs and bristles; claws pitchy, hairy; foot-cushions pale tawny: wings colourless; wing-ribs and veins tawny; lower cross-vein with two very slight curves, which occupy half the length from the base, the lower outward, the upper inward; poisers tawny. Length of the body 3½ lines; of the wings 7 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

** B. *Feeler-bristle not hairy.*

CÆNOSIA nemoralis, *Meig. Dipt.* v. 212, 3, *pl.* 45, *f.* 9. *Macq. Hist. Nat. Dipt.* ii. 345, 6.

a. England.

b. Aix-la-Chapelle. Presented by F. Walker, Esq.

CÆNOSIA intermedia? *Meig. Dipt.* v. 214, 7. Musca intermedia? *Fall. Musc.* 87, 115. Anthomyza intermedia? *Zett. Ins. Lapp.* 693, 140. *Dipt. Scand.* iv. 1723, 102.

a. Haparanda. Presented by the Entomological Club.

CÆNOSIA murina? *Meig. Dipt.* v. 215, 8. Var.? C. 6-notata, *Meig. Dipt.* v. 213, 5. *Macq. Hist. Nat. Dipt.* ii. 346, 8. Anthomyza 6-notata? *Zett. Ins. Lapp.* 694, 146. *Dipt. Scand.* iv. 1718, 96.

a. Haparanda. Presented by the Entomological Club.

CÆNOSIA nigrimana, *Meig. Dipt.*. v. 215, 9. Anthomyza nigrifemur? *Zett. Dipt. Scand.* iv. 1732, 112.

a. Haparanda. Presented by the Entomological Club.

CÆNOSIA means? *Meig. Dipt.* v. 216, 10. *Macq. Hist. Nat. Dipt.* ii. 346, 10. Limosia paludosa? *Desv. Essai Myod.* 539, 16. Anthomyza means? *Zett. Ins. Lapp.* 695, 150. *Dipt. Scand.* iv. 1725, 105.

a. Haparanda. Presented by the Entomological Club.

Cænosia nigra? *Meig. Dipt.* v. 216, 12.
a. Haparanda. Presented by the Entomological Club.

Cænosia decipiens? *Wied. Meig. Dipt.* v. 218, 17. *Macq. Hist Nat. Dipt.* ii. 347, 14. Limosia scirporum? *Desv. Essai Myod* 536, 1. L. rivularis, *Desv. Essai Myod.* 538, 11. Anthomyza decipiens, *Zett. Dipt. Scand.* iv. 1735, 116.
a. Haparanda. Presented by the Entomological Club.
b. Kollare, Lapland. Presented by the Entomological Club.
c. Upsal. Presented by the Entomological Club.
d. Alten. Presented by F. Walker, Esq.

Cænosia perpusilla, *Meig. Dipt.* v. 218, 18. *Macq. Hist. Nat. Dipt.* ii. 347, 15. Limosia littoralis? *Desv. Essai Myod.* 538, 12.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Cænosia meditata? *Meig. Dipt.* vi. 219, 19. Musca meditata? *Fall. Musc.* 87, 114. Anthomyza meditata? *Zett. Ins. Lapp.* 692, 139. *Dipt. Scand.* iv. 1715, 92.
a. Haparanda. Presented by the Entomological Club.

Cænosia geniculata? *Meig. Dipt.* v. 219, 20, *pl.* 45, *f.* 10, *Macq. Hist. Nat. Dipt.* ii. 347, 16. Musca geniculata? *Fall. Musc.* 89, 120. Anthomyza geniculata? *Zett. Ins. Lapp.* 694, 145. *Dipt. Scand.* iv. 1720, 918.
a. Lapland. Presented by the Entomological Club.

Cænosia humilis, *Meig. Dipt.* v. 220, 23. Anthomyza humilis? *Zett. Dipt. Scand.* iv. 1732, 113.
a. Aix-la-Chapelle. Presented by the Entomological Club.

Cænosia monilis, *Meig. Dipt.* v. 222, 27. *Macq. Hist. Nat. Dipt.* ii. 346, 11.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Cænosia myopina, *Meig. Dipt.* v. 222, 28. Musca myopina, *Fall. Musc.* 65, 66.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Cænosia spinipes, *White, Zool. Voy. Erebus and Terror*, mas. *Cinerea, capite fulvo, abdomine fusco trivittato, abdomine maculis sex trigonis canis ornato, palpis fulvis, antennis nigris, articulo 2° ferrugineo, pedibus fulvis, tarsis nigris, alis cinereis.*

Body thinly clothed with black hairs and bristles: head bright tawny; sides of the face without bristles; epistoma not prominent:

eyes red; fore part rather flat, its facets much larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers deep black, shorter than the face; third joint linear, slender, rounded at the tip, about thrice the length of the second, which is dark ferruginous; bristle black, slender, downy, rather stout for one-third of the length from the base, full twice the length of the third joint: chest and breast gray: disk of the chest with a tawny tinge, adorned with three slender brown stripes: abdomen gray, spindle-shaped, adorned with a large triangular hoary spot on each side of the fore border of every segment, ferruginous at the tip beneath, longer and a little narrower than the chest: legs dark tawny, clothed with black hairs and bristles; feet black, tawny towards the base; claws black; foot-cushions pale tawny: wings gray; cross-veins clouded with brown; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein almost straight, slightly oblique, separated by more than its length from the middle cross-vein, which is stouter and more oblique; scales of moderate size, whitish with pale yellow borders, the lower extending beyond the upper; poisers tawny. Length of the body 2¼ lines; of the wings 4½ lines.

a. New Zealand.

Cænosia sex-maculata, *Barnston's MSS.*, fem. *Nigro-cinerea, capite antico albo micante, thorace fusco trivittato, abdomine fusco sex-maculato, palpis fulvis, antennis piceis, pedibus nigro-cinereis, tibiis fulvis, tarsis piceis, alis subcinereis basi fulvis.*

Body black, clothed with black hairs and bristles: head adorned with white lustre in front, beneath, and on each side of the crown; a ferruginous stripe tapering from the eyelets to the base of the feelers; sides of the face without bristles; epistoma not prominent: eyes red; a small space of the fore part flat, and composed of much larger facets than those elsewhere: sucker black, pitchy and clothed with tawny hairs at the tip; palpi pale tawny, beset with black bristles: feelers pitchy, shorter than the face; third joint linear, rounded at the tip, more than twice the length of the second; first and second joints ferruginous; bristle black, bare, much more than twice the length of the third joint: chest and breast gray: chest adorned with three brown stripes: abdomen gray, elliptical, longer than the chest, adorned with three dark brown spots on each side: legs clothed with black hairs and bristles; hips and thighs black, tinged with gray; shanks tawny; feet pitchy; claws black; foot-cushions dark tawny: wings slightly gray, tawny at the base: wing-ribs tawny; veins black, tawny at the base; cross-vein nearly straight, far from the border; scales rather large, white with pale

yellow borders, the lower extending beyond the upper; poisers tawny. Length of the body 1½ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CÆNOSIA substituta, n. s., mas. *Cana, capite albo, abdomine cervino, palpis nigris, pedibus fulvis, tarsis nigris, alis albidis.*

Like *C. ferruginea* in structure: body black, clothed with black hairs and bristles: head adorned with white lustre; a triangular spot at the base of the feelers: eyes pitchy; fore part rather flat, its facets larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers tawny at the base: chest adorned with a hoary covering: abdomen spindle-shaped, adorned with a fawn-coloured covering, longer and a little narrower than the chest: legs tawny, clothed with black hairs and bristles; feet black: wings whitish; wing-ribs and veins tawny, the latter pitchy towards the tips; lower cross-vein slightly curved inward in the middle part of its course; scales white, with yellow borders; poisers tawny. Length of the body 3 lines; of the wings 7 lines.

a. Massachusetts. From Professor Sheppard's collection.

LISPE, *Meigen.*

LISPE tentacula, *Fall. Musc.* 931. *Meig. Dipt.* v. 226, 3., *pl.* 45, *f.* 15. *Macq. Hist. Nat. Dipt.* ii. 314, 2. *Zett. Ins. Lapp.* 699, 1. *Dipt. Scand.* v. 1796, 1. Musca tentaculata, *Fall. Musc.* 931. *Latr. Gen. Crust.* iv. 347. *Cons. Gén.* 444. Lispa fluviatilis, *Desv. Essai Myod.* 525, 2.

a. England.
b. France.
c. Stockholm. Presented by the Entomological Club.

LISPE litorea, *Fall. Dipt. Musc.* 94, 3. *Meig. Dipt.* v. 227, 4. *Haliday, Ent. Mag.* i. 166. *Zett. Dipt. Scand.* v. 1799, 4. *Loew. Ent. Zeit. Stett.* viii. 1847, 25, 2.

a. England.

LISPE hispida, *Barnston's MSS. Cinerea, capite antico fulvo, abdominis dorso nigro maculis cinereis ornato, palpis fulvis, antennis nigris, pedibus nigro-cinereis, tarsis piceis, alis cinereis.*

Body black, clothed with black hairs and bristles: head hoary behind, pale dull tawny in front; sides of the face without bristles;

epistoma not prominent: eyes red; fore part flat, its facets very much larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles, widened into a round form: feelers black, as long as the face; third joint slender, linear, conical at the tip, more than thrice the length of the second joint: chest and breast tinged with gray: abdomen elliptical, a little broader and longer than the chest, flat above, adorned on each side with large triangular gray spots; under side gray: legs black, clothed with black hairs and bristles; thighs and shanks tinged with gray; knees ferruginous; feet pitchy; claws black; foot-cushions tawny: wings gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein nearly straight, but having a slight outward curve near the base; scales large, whitish with pale yellow borders, the lower extending far beyond the upper; poisers dark tawny. Length of the body 2½ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Lispe simillima, n. s., fem. *Nigra, palpis antennis pedibusque nigris, alis cinereis.*

Body black, clothed with black hairs and bristles: eyes black; fore part flat, its facets larger than those elsewhere: sucker and palpi black, hairy: feelers black, a little shorter than the face; third joint linear, rounded at the tip, near thrice the length of the second; bristle feathered: abdomen elliptical, flat, a little longer and broader than the chest: legs black, clothed with black hairs and bristles: wings gray; wing-ribs pitchy; veins black; lower cross-vein straight, separated by more than twice its length from the middle cross-vein; scales white, with tawny borders; poisers pitchy. Length of the body 3 lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Cordylura, *Fallen.*

Group I. Mosina, *Desv. Essai Myod.* 670.

Cordylura pubera, *Fall. Scatomyz.* 6, 1. *Meig. Dipt.* v. 230, 1. *pl.* 45, *f.* 22. *Macq. Hist. Nat. Dipt.* ii. 381, 1, *pl.* 18, *f.* 7. *Zett. Ins. Lapp.* 725, 1. *Dipt. Scand* v. 1995, 1. Musca pubera, *Linn. Syst. Nat.* ii. 994. *Faun. Suec.* 1855. *Gmel. Ed.*

Syst. Nat. i. 5, 2850, 95. *Fabr. Sp. Ins.* ii. 446, 55. *Ent. Syst.* iv. 336, 101. Ocyptera pubera, *Fabr. Syst. Antl.* 315, 10. Mosina pubera, *Desv. Essai Myod.* 671, 1.

a. England.
b. France?
c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CORDYLURA picipes, *Meig. Dipt.* v. 232, 4. *Macq. Hist. Nat. Dipt.* ii. 382, 6.

a. England.

CORDYLURA albipes, *Fall. Scatom.* 9, 8. *Meig. Dipt.* v. 283, 8. *Macq. Hist. Nat. Dipt.* ii. 383, 10. *Zett. Ins. Lapp.* 726, 5. *Dipt. Scand.* v. 2004, 9. Mosina filipes, *Desv. Essai Myod.* 673, 7.

a. England. Presented by F. Walker, Esq.
b. ——— ?
c. France.

Group II. Phrosia, *Desv. Essai Myod.* 668.

CORDYLURA albilabris, *Meig. Dipt.* v. 233, 7. *Macq. Hist. Nat. Dipt.* ii. 382, 8. *Zett. Dipt. Scand.* v. 2002, 8. Ocyptera albilabris, *Fabr. Syst. Antl.* 315, 11. Phrosia scirpi, *Desv. Essai Myod.* 669, 1.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group III. Norellia, *Desv. Essai Myod.* 673.

CORDYLURA armipes, *Meig. Dipt.* v. 234, 10.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

CORDYLURA flavicauda, *Meig. Dipt.* v. 235, 12. *Macq. Hist. Nat. Dipt.* ii. 384, 14.

a. England. Presented by F. Walker, Esq.

CORDYLURA spinimana, *Fall. Scatom.* 7, 3. *Meig. Dipt.* v. 235, 13. *Macq. Hist. Nat. Dipt.* ii. 383, 11. *Zett. Ins. Lapp.* 726, 7. *Dipt. Scand.* v. 2007, 11. Musca semiflava, *Panz. Faun. Germ.* 59, 19. Norellia pseudo-narcissi, *Desv. Essai Myod.* 673, 1.

a. England. Presented by F. Walker, Esq.

Group ——— ?

CORDYLURA apicalis, *Wied. Meig. Dipt.* v. 236, 15.
a. England.

Group IV. Cleigastra, *Macq.*

CORDYLURA liturata, *Wied. Meig. Dipt.* v. 238, 19. Cleigastra liturata, *Macq. Hist. Nat. Dipt.* ii. 387, 12.
a. England. Presented by F. Walker, Esq.

CORDYLURA obscura, *Fall. Scatom.* 9, 6? *Meig. Dipt.* v. 240, 24. *Zett. Dipt. Scand.* v. 2066, 57. Cleigastra obscura, *Macq. Hist. Nat. Dipt.* ii. 385, 3.
a. England. Presented by F. Walker, Esq.

Note.—The following species of Cordylura are not arranged in groups.

CORDYLURA bicolor, *Barnston's MSS.*, fem. *Cana, thorace fusco quadrivittato, lateribus scutellique apice ferrugineis, abdomine ferrugineo basi subtusque cinereo, pedibus fulvis, alis subcinereis.*

Body black, adorned with a hoary covering, very thickly clothed with black hairs and bristles: head wanting: chest with four slender brown stripes, the outer pair indistinct; sides partly ferruginous; tip of the scutcheon ferruginous: abdomen obconical, ferruginous, longer than the chest, gray towards the base, and especially on the under side: legs tawny, clothed with black hairs and bristles; feet pitchy towards the tips; claws black; fore thighs rather darker and stouter than the rest: wings pale gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein very slightly curved inward, indistinctly clouded; scales very small, their tawny borders fringed with pale yellow hairs: poisers tawny. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CORDYLURA cupricrus, *Barnston's MSS.*, mas. *Cana, capite albo, vertice ferrugineo maculato, palpis piceis, antennis nigris, pedibus fulvis, tarsis piceis, alis limpidis.*

Body black, clothed with black hairs and bristles, adorned with a hoary covering: head white in front and beneath: a bright ferru-

ginous spot on the crown adjoining the base of the feelers; sides of the face and of the peristoma pale ferruginous, the former without bristles; epistoma not prominent: eyes red, partly black, convex; all the facets very small: sucker black, tawny at the base, clothed at the tip with tawny hairs; palpi pitchy, tawny at the base, clothed with black bristles; feelers black, a little shorter than the face; third joint nearly linear, rounded at the tip, much more than twice the length of the second; bristle feathered with hairs of moderate length, much more than twice the length of the third joint: abdomen linear, narrower and very much longer than the chest; appendages tawny: legs tawny, clothed with black hairs and bristles; fore thighs gray; feet pitchy; foot-cushions tawny: wings colourless; wing-ribs and veins pale tawny, the latter darker towards the tips; lower cross-veins straight; scales rudimentary; poisers yellow. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CORDYLURA flavipennis, *Barnston's MSS.*, fem. *Cinerea, palpis antennis pedibusque nigris, alis subfulvis.*

Body black, with a gray covering, clothed with black hairs and bristles: sides of the face without bristles: epistoma prominent: eyes red; fore part convex; all the facets very small: sucker black, long, slender, clothed with tawny hairs; palpi black, subclavate, beset with black bristles: feelers black, a little shorter than the face; third joint downy, very slightly increasing in depth to the tip, which is almost truncated, nearly thrice the length of the second joint; bristle downy, about twice the length of the third joint: abdomen spindle-shaped, longer but not broader than the chest: legs black, clothed with black hairs and bristles; foot-cushions pitchy: wings slightly tawny; wing-ribs and veins tawny; veins pitchy towards the tips; lower cross-vein straight; scales dingy white, with pale yellow borders; poisers pale tawny. Length of the body 3 lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CORDYLURA imperator, *Barnston's MSS.*, fem. *Cinerea, palpis antennisque nigris, pedibus fulvis, alis subcinereis ad costam subfulvis.*

Body black, with a gray covering, clothed with black hairs and bristles: sides of the face without bristles; epistoma hardly prominent: eyes red; fore part slightly convex; the facets small: sucker black, clothed with tawny hairs; palpi black, beset with

black bristles: feelers black, nearly as long as the face; third joint linear, rounded at the tip, nearly twice the length of the second; bristle feathered to the tip with short hairs, nearly twice the length of the third joint; abdomen nearly linear: legs tawny, clothed with black hairs and bristles; claws black; foot-cushions pale tawny: wings somewhat gray, with a slight tawny tinge along the fore-borders; wing-ribs tawny; veins pitchy; lower cross-vein very slightly curved inward; scales dingy white, with pale yellow borders; poisers pale tawny. Length of the body 2 lines; of the wings 3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CORDYLURA longa, n. s. mas. *Cinerea, angusta, capite flavo, thorace bivittato, abdomine nigro, palpis fulvis apice piceis, antennis flavis, pedibus fulvis, alis subcinereis.*

Body long and narrow, thinly clothed with black hairs and bristles: head bright yellow, with the exception of a black band across the crown, including the eyelets, clothed beneath with pale yellow hairs; hind part gray; sides of the face without bristles; epistoma not prominent: sucker black, clothed at the tip with tawny hairs; palpi tawny, pitchy towards the tips, clothed with black bristles: eyes dark red, partly black, convex; facets of the fore part larger than those elsewhere: feelers bright yellow, much shorter than the face; third joint nearly linear, almost truncated at the tip, clothed with black down, more than twice the length of the second joint; bristle black, bare, slender, stout towards the base, more than twice the length of the third joint: chest and breast gray; chest with two slender, indistinct darker stripes on each side: abdomen black, shining, thickly clothed on each side and beneath with black hairs, linear, narrower and very much longer than the chest: legs tawny, clothed with black hairs and bristles; claws black: wings slightly tinged with gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein straight; scales rudimentary; poisers yellow. Length of the body 2¾ lines; of the wings 4½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CORDYLURA tenuior, *Barnston's MSS. Cinerea, capite pectoreque canis, palpis pedibusque fulvis, antennis tarsisque nigris, alis limpidis.*

Body black, adorned with a gray covering, clothed with black hairs and bristles; head hoary in front and beneath; sides of the face without bristles: eyes bright red; facets of the front a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, nearly as long as the face; third joint linear, rather slender, tawny at the base, rounded at the tip, more than twice the length of the second joint; bristle clothed with short hairs, nearly thrice the length of the third joint: breast hoary: abdomen wanting: legs tawny, clothed with black hairs and bristles; feet black, tawny at the base; foot-cushions tawny: wings colourless; wing-ribs and veins tawny; lower cross-vein perpendicular, nearly straight, more than twice its length distant from the middle cross-vein, and about four times its length from the tip of the wing; scales very small, colourless, with pale yellow borders; poisers yellow. Length of the body 1½ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CORDYLURA volucricaput, *Barnston's MSS.*, mas. et fem. *Cinerea, capite ferrugineo maculato, abdomine nigro apice fulvo, palpis flavis; antennis nigris basi ferrugineis, pedibus fulvis, alis limpidis.*

Body black, with a gray covering, clothed with black hairs and bristles: a large ferruginous spot adjoining the base of the feelers; peristoma white, tawny on each side; sides of the face without bristles; epistoma not prominent: eyes red, convex; facets on the fore part larger than those elsewhere: sucker black, clothed with tawny hairs; palpi pale yellow, spindle-shaped, clothed with white hairs: feelers deep black, much shorter than the face; first and second joints ferruginous; third joint conical, much longer than the second; bristle bare, slender, rather stout at the base, a little more than twice the length of the third joint: abdomen quite black, linear, tawny and shining at the tip, clothed with hoary hairs and bristles; longer but hardly narrower than the chest: legs tawny, clothed with hoary hairs and with a few black bristles; claws black; fore thighs rather thick: wings colourless; wing-ribs tawny; veins black, tawny at the base; lower cross-vein straight; scales very small, colourless, their borders pale yellow, fringed with white hairs; poisers tawny. *Female.*—Head pale yellow on each side of the

peristoma; face white: first and second joints of the feelers ferruginous; third joint more than twice the length of the second: under side of the abdomen dull ferruginous. Length of the body 2 lines; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CORDYLURA Æa, n. s., fem. *Cana, abdomine fusco sexmaculato, palpis antennisque nigris, pedibus fulvis, femoribus cinereis, alis limpidis.*

Body hoary, clothed with black hairs and bristles: sides of the face without bristles; epistoma rather prominent: eyes red: a stripe of the fore part nearly flat, its facets much larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, much shorter than the face; third joint nearly twice the length of the second, very slightly decreasing in depth from the base to the tip, which is obliquely truncated; bristle much more than twice the length of the third joint, its second joint of moderate length; third joint clothed with very short black hairs for half the length from the base, which is stout: abdomen elliptical, deep, slightly compressed, a little longer and narrower than the chest; a brown spot on each side of the third, fourth, and fifth segments: legs tawny, clothed with black hairs and bristles, which are longest and most frequent on the shanks; thighs gray, with tawny tips; feet dark tawny, with black tips; claws black; foot-cushions large, pale yellow: wings colourless or whitish; wing-ribs and veins tawny; lower cross-vein straight, about twice its length distant from the middle cross-vein; scales large, white, the lower extending far beyond the upper; poisers tawny. Length of the body 2½ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

SCATOPHAGA, *Latreille.*

* *Feeler-bristle hairy.*

SCATOPHAGA formosa, *M. B. Wied. Auss. Zweif.* ii. 447, 1.
a. Nepaul. From the Hardwicke bequest.
b. North India. From Mrs. L. James' collection.

SCATOPHAGA scybalaria, *Latr. Gen. Crust.* iv. 358. *Meig. Dipt.* v. 247, 1. *Desv. Essai Myod.* 624, 1. *Macq. Hist. Nat. Dipt.* ii. 392, 1. Musca scybalaria, *Linn. Faun. Suec.* 1860. *Gmel. Ed. Syst. Nat.* v. 2853, 104. *Fabr. Sp. Ins.* ii. 449, 72. *Ent. Syst.* iv. 345, 137. *Syst. Antl.* 307, 118. Scatomyza scybalaria, *Fall. Scatom.* 3, 1. *Zett. Ins. Lapp.* 720, 1. *Dipt. Scand.* v. 1960, 1.

a. England.
b. France.

SCATOPHAGA stercoraria, *Latr. Gen. Crust.* iv. 358. *Meig. Dipt.* v. 248, 2. *Desv. Essai Myod.* 627, 7. *Macq. Hist. Nat. Dipt.* ii. 393, 5. Musca stercoraria, *Linn. Faun. Suec.* 1861. *Gmel. Ed. Syst. Nat.* v. 2853, 105. *Fabr. Sp. Ins.* ii. 449, 73. *Ent. Syst.* iv. 345, 137. *Syst. Antl.* 307, 119. *Deg. Ins.* vi. 42, 17. *Geoff. Ins.* ii. 530, 69. *Reaum. Ins.* iv. *Mem.* 9, 118, *pl.* 26. M. scybalaria, *Schrank, Ins. Austr.* 950. Volucella scybalaria, *Schrank, Faun. Boic.* iii. 2499. Scatomyza stercoraria, *Fall. Scatom.* 4, 3. *Zett. Ins. Lapp.* 721, 3. *Dipt. Scand.* v. 1968, 7.

a. England.
b France.
c. ——— ? From Mr. Children's collection.
d. Hammerfest. Presented by F. Walker, Esq.
e. East Indies. Presented by Capt. Parry.

SCATOPHAGA hottentotta, *Macq. Dipt. Exot.* ii. 3. 185.
a. South Africa. Presented by Dr. A. Smith.

SCATOPHAGA merdaria, *Meig. Dipt.* v. 249, 3. *Macq. Hist. Nat. Dipt.* ii. 294, 6. Musca merdaria, *Fabr. Ent. Syst.* iv. 344, 133. *Syst. Antl.* 306, 114. Scatomyza merdaria, *Zett. Dipt. Scand.* v. 1970.

a. England.
b. France.
c. Finmark. From Mr. Children's collection.
d. ——— ?
e. Alten. Presented by F. Walker, Esq.
f. Kollare, Lapland. Presented by the Entomological Club.
g. Upsal. Presented by the Entomological Club.

SCATOPHAGA lutaria, *Meig. Dipt.* v. 249, 4. *Macq. Hist. Nat. Dipt.* ii. 1393, 2. Musca lutaria, *Fabr. Ent. Syst.* iv. 344, 133. *Syst. Antl.* 306, 115. Scatomyza suilla, *Fall. Scatom.* 3, 2. *Zett. Ins. Lapp.* 720, 2. S. lutaria, *Zett. Dipt. Scand.* v. 1962, 2.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.
d. Umea, Sweden. Presented by the Entomological Club.
e. Finmark. From Mr. Children's collection.

SCATOPHAGA spurca, *Meig. Dipt.* v. 250, 6. *Macq. Hist. Nat. Dipt.* ii. 393, 4. Scatomyza suilla, var. γ., *Fall. Scatom.* 52. *Zett. Ins. Lapp.* 720, 2, var. *b*, *c*. S. spurca, *Zett. Dipt. Scand.* iv. 1967, 6. Scatophaga nemorosa? *Desv. Essai Myod.* 625, 3.

a. England.
b. Upsal. Presented by the Entomological Club.
c. Aix-la-Chapelle. Presented by F. Walker, Esq.

SCATOPHAGA intermedia, n. s., fem. *Cana, capite fulvo supra flavo maculato subtus albo micante, thoracis lateribus fusco maculatis, abdominis apice fulvo, palpis fulvis, antennis nigris basi ferrugineis, pedibus fulvis, alis subcinereis.*

Body with a hoary covering, clothed with black hairs and bristles: head tawny, bright yellow at the base of the feelers, adorned beneath with white reflections; sides of the face without bristles; epistoma not prominent: eyes red, convex; all the facets small: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers black, much shorter than the face: first and second joints ferruginous; third joint linear, ferruginous at the base, rounded at the tip, much longer than the second joint; bristle downy, not longer than the third joint: chest adorned on each side with some pale brown marks: abdomen elliptical, tawny at the tip, very little longer and broader than the chest: legs tawny, clothed with black hairs and bristles; feet darker; claws black; thighs tinged with gray: wings slightly gray; wing-ribs tawny; veins pitchy, tawny towards the base; poisers pale tawny. Length of the body 2 lines; of the wings 4½ lines.

a. Nova Scotia. From Lieut. Redman's collection.

SCATOPHAGA pallida, n. s. fem. *Fulva, palpis flavis, antennis fulvis, abdominis apice ferrugineo, pedibus flavis, tarsis anticis fulvis, alis limpidis.*

Body pale tawny, thinly beset with black bristles: head clothed beneath with a few pale tawny hairs; face white, bordered with yellow; a single black bristle on each side at the base; epistoma not prominent: eyes red, convex; the facets very small, but rather larger on the fore part than elsewhere: sucker ferruginous, clothed with tawny hairs; palpi pale yellow, beset with black bristles: feelers pale tawny, shorter than the face; third joint linear, rounded at the tip, much longer than the second; bristle black, feathered with hairs of moderate length, stout at the base, near twice the length of the third joint: disk of the chest tawny: abdomen a little longer than the chest, tapering from near the base to the tip, which is ferruginous: legs yellow, clothed with short black hairs, beset with a few black bristles; claws black; fore feet tawny: wings colourless; wing-ribs pale tawny; veins tawny, paler at the base; lower cross-vein with two curves, the lower outward, the upper inward, parted by more than its length from the middle cross-vein, and by more than twice its length from the tip of the wing; poisers yellow. Length of the body 2½ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group III. Scatina, *Desv. Essai Myod.* 629.

SCATOPHAGA squalida, *Meig. Dipt.* v. 252, 10. *Macq. Hist. Nat. Dipt.* ii. 394, 9. Cordylura fuscinervis, *Zett. Ins. Lapp.* 733, 8. Scatomyza squalida, *Zett. Ins. Lapp.* 721, 6. *Dipt. Scand.* v. 1972, 10.

a. England.
b. France.
c. Karasawandra, Lapland. Presented by F. Walker, Esq.
d. Hammerfest. Presented by F. Walker, Esq.
e. Kollare. Presented by the Entomological Club.
f. Haparanda. Presented by the Entomological Club.
g. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
h. Nova Scotia. From Lieut. Redman's collection.

SCATOPHAGA litorea, *Meig. Dipt.* v. 254, 15. Scatomyza litorea, *Fall. Scatom.* 4, 4. *Zett. Ins. Lapp.* 722, 8. *Dipt. Scand.* v. 1975, 12.

a. Hammerfest. Presented by F. Walker, Esq.

SCATOPHAGA pubescens, *Barnston's MSS.*, mas. *Fusca, capite antico ferrugineo, palpis flavis, antennis ferrugineis, pedibus fulvis, alis subcinereis.*

Body adorned with a pale dull brown covering, clothed with blue hairs and bristles: head ferruginous in front, sides of the face without bristles; epistoma not prominent: eyes red, convex; all the facets small: sucker black; palpi pale yellow: feelers pale ferruginous; third joint linear, rounded and blackish towards the tip, much longer than the second joint; bristle downy towards the base, much more than twice the length of the third joint: abdomen a little longer than the chest: legs dark tawny, clothed with black hairs and bristles; claws black: wings slightly gray; wing-ribs tawny; veins pitchy, tawny towards the base; cross-veins clouded with brown; poisers tawny. Length of the body 2½ lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

b. Nova Scotia. From Lieut. Redman's collection.

SCATOPHAGA bicolor, *Barnston's MSS.*, mas. *Cinerea, capitis vertice ferrugineo, abdomine fulvo, palpis flavis, antennis ferrugineis, articulo 3^o^ supra piceo, pedibus fulvis, alis subcinereis.*

Body thinly beset with long black bristles: head and chest gray: head ferruginous in front of the crown, yellow beneath: sides of the face with two or three bristles at the base; epistoma slightly prominent: eyes pitchy, convex; facets of the fore part larger than those elsewhere: sucker ferruginous, clothed with tawny hairs; palpi yellow, beset with black bristles: feelers ferruginous, nearly as long as the face; third joint linear, pitchy above, rounded at the tip, about twice the length of the second; bristle black, downy, rather stout at the base, about twice the length of the third joint: chest adorned with three brown stripes: abdomen pale tawny, nearly linear, clothed with short black hairs, hardly longer than the chest: legs tawny, clothed with black hairs, beset with black bristles; claws black; foot-cushions yellow: wings very slightly gray; wing-ribs tawny; veins pitchy, tawny at the base; cross-veins clouded with brown; lower cross-vein hardly curved outward, slightly oblique, parted by full twice its length from the middle cross-vein, and by more than thrice its length from the tip of the wing; poisers yellow. Length of the body 2½ lines; of the wings 5½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Scatophaga villipes. Scatomyza villipes, *Zett. Dipt. Scand.* v. 197.

a. Finmark. Presented by F. Walker, Esq.

Scatophaga Zamiel, (n. g.?) n. s., mas et fem. *Atra, capite rufo, abdomine nigro-cyaneo, palpis antennisque rufis, pedibus alisque nigris.*

Body bluish black, shining, clothed with black hairs: head deep red: eyes black: sucker red above, pitchy and clothed with tawny hairs beneath; palpi red, beset with long black bristles: feelers red, very short; third joint rounded at the tip, shorter than the second; bristle tawny, bare, more than thrice the length of the third joint: abdomen dark blue: legs black, clothed with black hairs; foot-cushions tawny: wings, wing-ribs and scales black; poisers black. Length of the body 11—12 lines; of the wings 20—22 lines.

a. Interior of South Africa. Presented by the Earl of Derby.

Group IV. Amina, *Desv. Essai Myod.* 628.

Group V. Tomella, *Desv. Essai Myod.* 630.

Dryomyza, *Meigen.*

Group I. Dryope, *Desv. Essai Myod.* 618.

Dryomyza flaveola, *Meig. Dipt.* v. 256, 1. *Macq. Hist. Nat. Dipt.* ii. 396, 1, *pl.* 18, *f.* 11. *Zett. Ins. Lapp.* 736, 1. *Dipt. Scand.* v. 2084, 2. Musca flaveola, *Fabr. Ent. Syst.* iv. 243, 130. *Syst. Antl.* 306, 111. M. mellinus, *Harr. Ex.* 74, *pl.* 21, *f.* 4. Dryomyza vetula, *Fall. Sciomyz.* 16, 1. Dryope communis, *Desv. Essai Myod.* 619.

a. England.

b. ——? From Mr. Children's collection.

Dryomyza præusta, *Meig. Dipt.* v. 257, 3. *Macq. Hist. Nat. Dipt.* ii. 396, 3. Dryope liturata? *Desv. Essai Myod.* 619, 2.

a. England.

Dryomyza convergens, n. s., fem. *Fulva, capite antico flavo, thorace trivittato, palpis antennis pedibusque fulvis, alis subfulvis.*

Body tawny: head and chest beset with a few black bristles: head pale yellow in front; sides of the face without bristles; epi-

stoma very slightly prominent: eyes pale red, convex; facets of the fore part larger than those elsewhere: sucker tawny, thinly clothed with yellow hairs; palpi tawny, beset with black bristles: feelers tawny, shorter than the face; first and second joints beset with a few black bristles; third joint nearly round, much broader and a little longer than the first and the second; bristle black, slender, its second joint of moderate length, the third downy, more than four times the length of the third feeler-joint: chest with three indistinct darker stripes; breast paler than the chest: abdomen spindle-shaped, darker than the chest, beset with short black bristles: legs pale tawny, thinly clothed with short black hairs; tips of the shanks armed with black spurs; feet darker than the shanks; claws black: wings pale tawny; wing-ribs and veins tawny; veins pitchy towards the tips; lower cross-vein pitchy, straight, clouded with brown, full thrice its length distant from the middle cross-vein; poisers yellow. Length of the body 3—3½ lines; of the wings 7—8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

DRYOMYZA Appula, n. s., mas. *Fulva, abdominis apice fusco, palpis antennis pedibusque fulvis, alis limpidis.*

Body tawny: head and chest thinly beset with long black bristles: head paler in front; sides of the face without bristles; epistoma not prominent; a fringe of short black bristles along the eyes, which are black and convex; all the facets very small: sucker and palpi tawny; palpi beset with short black bristles: feelers tawny, darkest along the upper side; third joint conical, much more than twice the length of the second, its breadth less than half its length; second joint of the bristle rather stout, dark tawny, somewhat long; third joint black, downy, slender, much more than twice the length of the third feeler-joint: breast clothed with a few very short black hairs: abdomen obconical, much shorter than the chest, brownish towards the tip, clothed with black hairs and bristles: legs tawny, clothed with short black hairs and with a few black bristles; feet darker towards the tips; claws black: wings colourless; wing-ribs and veins tawny; veins pitchy towards the tips; lower cross-vein very slightly curved inward, more than twice its length distant from the middle cross-vein, which is stout and straight; poisers yellow. Length of the body 3 lines; of the wings 7 lines.

a. New Holland. Presented by the Entomological Club.

Group Oblicia, *Desv. Essai Myod.* 620.

SAPROMYZA, *Meigen.*

Note.—Desvoidy's groups are indicated in the remaining part of this Catalogue, but a complete reference of the species to his genera is reserved for a future publication.

SAPROMYZA obsoleta, *Fall. Ortal.* 31, 6. *Meig. Dipt.* v. 260, 2. *Zett. Ins. Lapp.* iv. 752, 8. *Macq. Hist. Nat. Dipt.* ii. 397, 1. (Group Sylvia, *Desv. Essai Myod.* 636.) Musca flava, *Fabr. Sp. Ins.* ii. 452, 92. *Ent. Syst.* iv. 355, 177. *Gmel. Ed. Syst. Nat.* i. 5, 2856, 115. *Stew. El.* 262. *Turt.* iii. 620. Tephritis flava, *Fabr. Syst. Antl.* 317, 6. Sylvia apicalis, *Desv. Essai Myod.* 636, 1.

a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. France.

SAPROMYZA rorida, *Fall. Ortal.* 32.7. *Meig. Dipt.* v. 259, 1, *Zett. Ins. Lapp.* 4, 751, 4. *Macq. Hist. Nat. Dipt.* ii. 398, 3. (Group Lycia, *Desv. Essai Myod.* 637.) Musca mulsus? *Harr. Ex.* 116, *pl.* 34, *f.* 20. Lycia flava, *Desv. Essai Myod.* 638, 1.

a. England.
b. France.
c. Sweden. Presented by the Entomological Club.

SAPROMYZA pallida, *Fall. Ortal.* 32, 8. *Meig. Dipt.* v. 260, 3.

a. England.
b. France.

SAPROMYZA flava, *Fall. Ortal.* 33, 13. *Meig. Dipt* v. 260, 4. *Hagenbach, Symb. Faun. Ins. Helv.* 47, *f.* 29. *Zett. Ins. Lapp.* 4, 753, 11. Musca flava, *Linn. Syst. Nat. Ed.* xii. 2, 997, 115, *Faun. Suec.* 1869. *Deg. Ins.* vi. 18, 13. *Geoff. Ins.* ii. 537, 86. *Schrank, Ins. Austr.* 957. *Faun. Boic.* iii. 2464. *Berk. Syn.* i. 165. *Shaw, Gen. Zool.* vi. 385.

a. England.
b. France.
c. Lapland. Presented by F. Walker, Esq.
d. Hammerfest. Presented by F. Walker, Esq.
e. ———? From Mr. Children's collection.
f. ———?

Sapromyza albiceps, *Fall. Ortal.* 33, 11. *Meig. Dipt.* v. 261, 6. (Group Chyromya, *Desv. Essai Myod.* 620). Musca flava? *Linn, &c.* Chyromya fenestrarum, *Desv. Essai Myod.* 621, 1. Lisella flava? *Desv. Essai Myod.* 649, 1. Scyphella flava? *Desv. Essai Myod.* 650, 1.

a. England.

Sapromyza quadripunctata, *Fall. Ortal.* 32, 9. *Meig. Dipt.* v. 262, 7. *Macq. Hist. Nat. Dipt.* ii. 398, 6. (Group Lycia, *Desv. Essai Myod.* 637. Musca quadripunctata, *Fabr. Sp. Ins.* ii. 453, 93. *Ent. Syst.* iv. 356, 178. *Gmel. Ed. Syst. Nat.* i. 5, 2856, 116. *Schrank, Faun. Boic.* iii. 2465. Tephritis quadripunctata, *Fabr. Syst. Antl.* 318, 7. *Turt.* iii. 620. Lycia quadripunctata, *Desv. Essai Myod.* 638, 2.

a. England.
b. France.

Sapromyza sexpunctata, *Meig. Dipt.* v. 262, 8. *Macq. Hist. Nat. Dipt.* ii. 398, 7. Lycia sexpunctata, *Desv. Essai Myod.* 638, 3.

a. England.

Sapromyza præusta, *Fall. Ortal.* 31, 4. *Meig. Dipt.* v. 264, 14. *Macq. Hist. Nat. Dipt.* ii. 399, 10. *Zett. Ins. Lapp.* iv. 751, 3. Lycia liturata, *Desv. Essai Myod.* 640, 10.

a. England.
b. France.
c. Upsal. Presented by the Entomological Club.

Sapromyza rivosa, *Meig. Dipt.* v. 265, 17. *Macq. Hist. Nat. Dipt.* ii. 403, 31. (Group Minettia, *Desv. Essai Myod.* 646.) Minettia nemorosa, *Desv. Essai Myod.* 647, 1.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Sapromyza trimacula, *Meig. Dipt.* v. 267, 22. Musca minutus, *Harr. Ex.* 74, *pl.* 21, *f.* 7.

a. England.

Sapromyza inusta, *Meig. Dipt.* v. 267, 21. *Macq. Hist. Nat. Dipt.* ii. 401, 21.

a. England.
b. France.

Sapromyza litura, *Hoffmansegg, Meig. Dipt.* v. 266, 20. S. Wiedemannii, *Loew, Ent. Zeit. Stett.?*

a. England.

SAPROMYZA saltuum. Musca saltuum, *Linn. Faun. Suec.* 1866. *Syst. Nat.* i. 996. 111. Musca unicolor, *Fabr. Syst. Antl.* 307, 120. Palloptera marginella, *Fall. Ortal.* 25, 4. Sapromyza unicolor, *Meig. Dipt.* v. 268, 24. *Macq. Hist. Nat. Dipt.* ii. 400, 18.
a. England.

SAPROMYZA ustulata, *Meig. Dipt.* v. 268, 25. *Macq. Hist. Nat. Dipt.* ii. 404, 17. Palloptera ustulata, *Fall. Ortal.* 24, 2.
a. England.
b. France.

SAPROMYZA arcuata, *Meig. Dipt.* v. 269, 27. *Macq. Hist. Nat. Dipt.* ii. 401, 22. Musca arcuata, *Fabr. Sp. Ins.* ii. 451, 86. *Ent. Syst.* iv. 353, 170. *Gmel. Ed. Syst. Nat.* i. 5, 2856, 242. Dacus arcuatus, *Fabr. Syst. Antl.* 277, 19. Palloptera arcuata, *Fall. Ortal.* 25, 3.
a. England.
b. France.
c. ———? From Mr. Children's collection.

SAPROMYZA umbellatarum, *Meig. Dipt.* v. 269, 26. *Macq. Hist. Nat. Dipt.* ii. 402, 27. Musca umbellatarum, *Fabr. Sp. Ins.* ii. 451, 87. *Ent. Syst.* iv. 354, 171. *Turt.* iii. 619. M. gangrænosa, *Panz. Faun. Germ.* lix. 22. Dacus umbellatarum, *Fabr. Syst. Antl.* 277, 20. Trupanea umbellatarum, *Schrank, Faun. Boic.* iii. 2521. Palloptera gangrænosa, *Fall. Ortal.* 24, 1. P. umbellatarum, *Zett. Ins. Lapp.* 4, 750, 1.
a. England.
b. France.
c. Lapland. Presented by the Entomological Club.

SAPROMYZA decempunctata, *Meig. Dipt.* v. 270, 29. *Zett. Ins. Lapp.* iv. 751, 1. *Macq. Hist. Nat. Dipt.* ii. 401. 20. (Group Suillia, *Desv. Essai Myod.* 642.) Palloptera decempunctata, *Fall. Ortal.* 30, 1. Suillia communis, *Desv. Essai Myod.* 643, 4.
a. England.
b. France.
c. ———? From Mr. Children's collection.

SAPROMYZA Philadelphica, *Macq. Dipt. Exot.* ii. 3, 191, 13.
a. Georgia. From Mr. Abbot's collection.
b. Nova Scotia. From Lieut. Redman's collection.

SAPROMYZA dichromata, *White, Zool. Voy. Erebus and Terror. Fulva, abdomine piceo, palpis antennis pedibus alisque fmlvis.*

Body tawny, thinly clothed with short black hairs: head and chest beset with a few black bristles: sides of the face without bristles; epistoma not prominent: eyes pale red, convex; facets of the fore part a little larger than those elsewhere: sucker tawny, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, very much shorter than the face; third joint conical, downy, about twice the length of the second; bristle black, slender, downy, much more than thrice the length of the third joint: abdomen pitchy, nearly obconical, much shorter than the chest: legs tawny, clothed with short black hairs; feet dark tawny; claws black: wings tawny; wing-ribs and veins tawny, the latter darker towards the tips; lower cross-vein nearly straight; poisers tawny, with pitchy knobs. Length of the body 2¾ lines; of the wings 7 lines.

a. New Zealand. Presented by Dr. Sinclair.

SAPROMYZA Amida, mas. *Fulva, capite flavo, abdomine piceo, palpis flavis, antennis pedibusque fulvis, tibiis posticis subarcuatis, alis limpidis.*

Body tawny: head and chest beset with a few black bristles: head yellow; face tinged with white, its sides without bristles: epistoma not prominent: eyes bright red, convex; all the facets very small: sucker and palpi yellow: feelers tawny, shorter than the face; third joint conical, downy, more than twice the length of the second; bristle black, rather stout, feathered with long hairs, less than twice the length of the third feeler joint: abdomen pitchy, linear, shining, longer and much narrower than the chest: legs tawny; tips of the shanks armed with black spines; feet darker towards the tips; claws black; hind shanks slightly curved: wings colourless; wing-ribs tawny; veins black, tawny at the base; lower cross-vein hardly curved inward, parted by much more than twice its length from the middle cross-vein; poisers tawny. Length of the body 1½ line; of the wings 3 lines.

a. Georgia. From Mr. Abbot's collection.

SAPROMYZA vittata, n. s. *Fulva, capite thoraceque flavo-albido vittatis, abdomine albido vittis duabus fulvis ornato, palpis antennis pedibusque fulvis, alis limpidis.*

Body pale tawny, beset with a few black bristles: face whitish, its sides without bristles, except at the base; epistoma not prominent: three yellowish white stripes on the crown of the head: eyes

red: sucker and palpi pale tawny, the former clothed with tawny hairs, the latter beset with black bristles: feelers pale tawny, much shorter than the face; third joint short, nearly round; bristle black, bare: chest adorned with two broad yellowish white stripes; its sides and the breast pale yellow: abdomen elliptical, hardly longer than the chest, whitish, with the exception of two stripes: legs tawny, thinly beset with black bristles; claws black: wings colourless; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein straight, perpendicular, parted by much more than twice its length from the middle cross-vein, and by more than thrice its length from the tip of the wing; poisers yellow. Length of the body 1¾ line; of the wings 3½ lines.

a. Stockholm. Presented by the Entomological Club.

ORTALIS, *Fallen*.

ORTALIS crassipennis, *Fall. Ortal.* 18, 2. *Meig. Dipt.* v. 273, 1, *pl.* 46, *f.* 23. *Zett. Dipt. Scand.* v. 2153, 2. (Group Melieria, *Desv. Essai Myod.* 715). Musca crassipennis, *Fabr. Ent. Syst.* iv. 357, 185. Scatophaga crassipennis, *Fabr. Syst. Antl.* 209, 26. Melieria gangrænosa, *Desv. Essai Myod.* 716, 1. Ceroxys crassipennis, *Macq. Hist. Nat. Dipt.* ii. 438, 3.

a. England.
b. France.

ORTALIS omissa, *Meig. Dipt.* v. 274, 2. Ceroxys omissa, *Macq. Hist. Nat. Dipt.* ii. 438, 4.

a. England. Presented by J. C. Dale, Esq.
b. ——— ?

ORTALIS centralis, *Meig. Dipt.* vi. 380, 24. *Zett. Dipt. Scand.* v. 2155, 4. Tephritis centralis, *Fabr. Syst. Antl.* 319, 14. Ortalis Friesii, *Fall. Ortal. Suppl.* 2, 14, 34.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Group Meckelia, *Desv. Essai Myod.* 714.

Group Myodina, *Desv. Essai Myod.* 727.

ORTALIS urticæ, *Fall. Ortal.* 17, 1, *Meig. Dipt.* v. 275, 4, *pl.* 46. *f.* 19. *Zett. Ins. Lapp.* 747, 1. *Dipt. Scand.* v. 2152, 1, Musca urticæ, *Linn. Faun. Suec.* 1875. *Fabr. Sp. Ins.* ii. 453, 98. *Ent. Syst.* iv. 357, 184. *Gmel. Ed. Syst. Nat.* v.

2857, 123. Scatophaga urticæ, *Fabr. Syst. Antl.* 209, 25. Myodina urticæ, *Desv. Essai. Myod.* 728, 1. Ceroxys urticæ, *Macq. Hist. Nat. Dipt.* ii. 438, 2.

a. England.
b. France.

Ortalis ornata, *Meig. Dipt.* v. 277, 8, *pl.* 46, *f.* 25. *Macq. Hist. Nat. Dipt.* ii. 434, 1. Oscinis elegans, *Latr. Dict. d'Hist. Nat.* Meckelia elegans, *Desv. Essai Myod.* 715, 1. Blainvillia formosa? *Desv. Essai Myod.* 713, 1. B. jucunda? *Desv. Essai Myod.* 714, 2.

a. France.

Ortalis Cerasi, *Meig. Dipt.* v. 282, 19, *pl.* 46, *f.* 26. *Macq. Hist. Nat. Dipt.* ii. 436, 10. *Zett. Dipt. Scand.* v. 2157, 5. Musca cerasi, *Linn. Syst. Nat.* ii. 998. *Faun. Suec.* 1878. *Gmel. Ed. Syst. Nat.* i. 5, 2858, 124. *Fabr. Sp. Ins.* ii. 453, 99. *Ent. Syst.* iv. 358, 188. *Deg. Ins.* vi. 25, 19. *Stew. El.* ii. 263. *Turt.* iii. 621. M. frondescentiæ? *Linn. Faun. Suec.* 1881. Tephritis cerasi, *Fabr. Syst. Antl.* 320, 17. *Latr. Gen. Crust.* iv. 355. *Kirby and Sp. Intr. Ent.* i. 196. T. mali, *Fabr. Syst. Antl*, 320, 18. T. morio, *Fabr. Syst. Antl.* 322, 27. Trupanea cerasi, *Schrank, Faun. Boic.* iii. 2526. Ortalis uliginosa, *Fall. Ortal.* 19, 4. *Zett. Ins. Lapp.* 747, 2.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Ortalis paludum, *Fall. Ortal.* 20, 7. *Meig. Dipt.* v. 282, 18. *Zett. Ins. Lapp.* 747, 4. *Dipt. Scand.* v. 2161, 8.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Group Heramya, *Desv. Essai Myod.* 709.

Group Myoris, *Desv. Essai Myod.* 711.

Group Myennis, *Desv. Essai Myod.* 717.

Group Strauzia, *Desv. Essai Myod.* 718.

Group Vidalia, *Desv. Essai Myod.* 719.

Group Delphinia, *Desv. Essai Myod.* 719.

Group Myrmecomya, *Desv. Essai Myod.* 721.

Group? Polystodes, *Desv. Essai Myod.* 722.

Ortalis syngenesiæ, *Meig. Dipt.* v. 283, 20, *pl.* 46, *f.* 29. (Group Rivellia, *Desv. Essai Myod.* 729.) *Zett. Dipt. Scand.* v. 2158, 6. Musca syngenesiæ, *Fabr. Sp. Ins.* ii. 454, 101. *Ent. Syst.* iv. 359, 192. *Gmel. Ed. Syst. Nat.* i. 5, 2858, 249. M. urticæ, *Schrank, Ins. Austr.* 476, 969. *Faun. Boic.* iii. 2460. Tephritis syngenesiæ, *Fabr. Syst. Antl.* 321, 23. *Latr. Gen. Crust.* iv. 355. Ortalis juncorum, *Fall. Ortal.* 19, 5. Rivellia herbarum, *Desv. Essai Myod.* 729, 1. Herina syngenesiæ, *Macq. Hist. Nat. Dipt.* ii. 433, 7.

a. England.

Group Herina, *Desv. Essai Myod.* 724.

Group Richardia, *Desv. Essai Myod.* 728.

Group Boisduvalia, *Desv. Essai Myod.* 730.

Group Clidonia, *Desv. Essai Myod.* 732.

Group Setellia, *Desv. Essai Myod.* 732.

Group Chlorophora, *Desv. Essai Myod.* 733.

Ortalis Mentissa, n. s., mas. *Æneo-viridis, capite ferrugineo, palpis fulvis, antennis ferrugineis, pedibus viridi-æneis, tarsis ferrugineis, alis limpidis fusco quadrimaculatis.*

Body coppery-green: head and chest clothed with whitish hairs: head ferruginous, covered in front with white bloom; face pitchy; epistoma slightly prominent: eyes red; foremost part flat, composed of larger facets than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers ferruginous, as long as the face; third joint tapering from the base to the tip, full four times the length of the second; bristle black, bare, a little longer than the third joint: chest beset with black bristles: abdomen oval, thickly cross-wrinkled, hardly longer than the chest: legs coppery-green, clothed with short black hairs; knees, trochanters, and feet ferruginous; claws and tips of feet black; foot-cushions tawny: wings colourless, with four dark brown marks on the fore border, the first of them is a stripe along one-fourth of the length from the base of the wing; the second and third are bands which do not reach the hind border; the fourth is an almost round spot near the tip; wing-ribs and veins black; hinder veins tawny at the base; third longitudinal vein slightly curved near its junction with the middle cross-vein, which is rather

oblique; lower cross-vein very slightly curved inward; scales rudimentary; poisers yellow. Length of the body 2 lines; of the wings 4 lines.

a. West Australia. From Mr. Clifton's collection.

ORTALIS Massyla, n. s., fem. *Viridis, ccpite ferrugineo, abdominis segmento 5° purpureo apice fulvo, palpis ferrugineis, antennis pedibusque nigris, tarsis fulvis, alis albis fusco trifasciatis.*

Body metallic-green, slender, clothed with short black hairs: head and chest beset with black bristles: head ferruginous above and along the borders of the eyes; epistoma ferruginous, prominent: eyes red; fore part slightly convex; its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers black, much shorter than the face; third joint conical, ferruginous at the base, much longer than the second; bristle bare, very slender, more than thrice the length of the third joint: abdomen long-obconical, much longer than the chest, tapering, flat, and with a rim on each side towards the tip, which is tawny; fifth segment dark purple: legs black, clothed with short black hairs; knees ferruginous; feet and tips of shanks dull tawny: wings white, with three dark brown bands; the first extends nearly to the hind border, and joins the side of the middle cross-vein; the second reaches the hind border and encloses the lower cross-vein; it is darkest on the fore border, and there unites with the third, which widens along the fore border and occupies the whole of the tip of the wing; wing-ribs, veins, and poisers tawny; veins pitchy in the brown parts of the wings; lower cross-vein nearly straight. Length of the body 1¾—2 lines; of the wings 3—4 lines.

a. North America. Presented by the Entomological Club.

ORTALIS Otroeda, n. s., mas. *Cyaneo-viridis, palpis nigris, pedibus nigro-cyaneis, tibiis piceis, tarsis fulvis, alis limpidis fusco quadrimaculatis.*

Body bluish green, metallic, clothed with short black hairs: eyes red; fore part flat, composed of larger facets than those elsewhere: sucker and palpi black, clothed with short black hairs: abdomen obconical, hardly longer than the chest: legs bluish black, clothed with short black hairs; knees ferruginous; shanks pitchy; feet dark tawny, with black tips: wings colourless, adorned with four brown marks along the fore border; the first proceeds for a short space along the fore border, and descends obliquely into

the disk, the second is less oblique than the first, descends further into the disk of the wing, and includes the lower cross-vein; the fourth almost joins the third, and extends along the fore border to the tip of the wing; wing-ribs and veins black; poisers pitchy. Length of the body 1¾ line; of the wings 3 lines.

a. North America. Presented by the Entomological Club.

ORTALIS quadrifasciata. Trypeta 4-fasciata, *Harris, Cat. Ins. Massach.* Fem. *Cyaneo-viridis, capite supra piceo, palpis nigris, antennis piceis, pedibus nigro-viridibus, tibiis piceis, tarsis fulvis, alis limpidis fusco quadrifasciatis.*

Body metallic bluish green, clothed with short black hairs: head and chest beset with a few black bristles: head pitchy between the eyelets and feelers, ferruginous on each side of the face; epistoma very prominent: eyes red; fore part flat, its facets much larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers pitchy, as long as the face, ferruginous at the base and beneath; third joint tapering from the base to the tip, near four times the length of the second; bristle downy, twice the length of the third joint: abdomen nearly spindle-shaped, thickly cross-wrinkled, a little longer than the chest: legs greenish black; knees ferruginous; shanks pitchy; feet tawny, with black tips; foot-cushions tawny: wings colourless, with four dark brown marks along the fore border; the first proceeds along the fore border for almost one-third of the length, and then descends obliquely into the disk; the second is less oblique and slightly curved, and extends nearer to the lower border, and incloses the middle cross-vein; the third is upright, extends to the hind border, and includes the lower cross-vein; the fourth is a stripe, which proceeds from the third along the fore border to a little below the tip of the wing; wing-ribs black; hinder veins tawny at the base; third longitudinal vein slightly curved near its junction with the middle cross-vein, which is rather oblique; lower cross-vein straight; scales rudimentary; poisers pitchy. Length of the body 2¼ lines; of the wings 4 lines.

a. North America. Presented by the Entomological Club.

ORTALIS? Arima, n. s., fem. *Cyanea, capite fulvo, thorace æneo-viridi, palpis antennisque fulvis, pedibus piceis, tarsis fulvis, alis fuscis maculis quatuor limpidis, marginibus posticis cinereis fusco maculatis.*

Body blue, shining, thinly clothed with black hairs: head and chest beset with a few black bristles: head tawny, very prominent

in front; a broad pitchy stripe between the eyelets and the epistoma, which is not prominent; sides of the face without bristles: eyes red, convex; all the facets small: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers dark tawny, about half the length of the face; third joint conical, downy, a little longer than the second; bristle black, about twice the length of the third joint, feathered from the base to the tip with hairs of moderate length: chest brassy green: abdomen nearly obconical, a little longer than the chest: legs pitchy, rather stout, clothed with short black hairs; feet tawny, with pitchy tips; claws black; foot-cushions pale tawny: wings dark brown, pale gray along the hind border towards the base; the brown colour passes into the gray by means of several more or less distinct pale brown spots; the brown part is adorned with four colourless marks, the first of these is small, triangular, and a little beyond one-third of the length of the fore border, where the wing is almost black; the second is slightly curved, and extends quite across the wing or a little beyond the lower cross-vein; the third is triagular, and extends from the fore border half-way across the wing; the fourth occupies the lower part of the tip; wing-ribs and veins black; lower cross-vein with two very slight curves, the lower outward, the upper inward; the space between the two cross-veins is full twice the length of the lower cross-vein; poisers pitchy. Length of the body 2—2¼ lines; of the wings 3½—4 lines.

a. ———?

ORTALIS Isara, n. s., mas. *Nigro-cyanea, palpis antennis pedibusque piceis, tarsis fulvis, alis limpidis vitta costali interrupta fasciisque duabus fuscis.*

Body black: head and chest beset with a few black bristles: face broad, its sides without bristles; epistoma hardly prominent; peristoma large, its sides dark ferruginous: eyes dark red; fore part nearly flat, its facets larger than those elsewhere: sucker and palpi pitchy; sucker clothed with tawny hairs: feelers pitchy, as long as the face; third joint slightly concave above, a little convex beneath, pointed and somewhat curved upward at the tip, about four times the length of the second joint; bristle black, downy, slender, rather less than twice the length of the third joint: chest and abdomen dark blue: abdomen elliptical, shagreened, hardly longer than the chest, clothed with pitchy hairs; oviduct pitchy: legs pitchy, clothed with a few short black hairs, beset with very few black bristles; feet dark tawny: wings colourless, adorned with a dark brown stripe, which extends from the base along half the length of the wing, and then descends towards the hind border;

beyond this a brown, slightly curved band extends across the wing, includes the lower cross-vein, and on the fore border joins a brown stripe, which passes to the tip of the wing; wing-ribs and veins black; veins mostly tawny in the colourless parts of the wing; lower cross-vein curved in the lower part of its course, nearly perpendicular, distant by much more than its length from the middle cross-vein, which is oblique; longitudinal veins straight; poisers tawny. Length of the body 1¼ line; of the wings 3 lines.

a. North Bengal. From Miss Campbell's collection.

ORTALIS? diopsides, *Barnston's MSS.*, fem. *Nigra, obscura, capite antico fulvo, palpis antennis pedibusque piceo-ferrugineis, alis subcinereis ad costam fusco bimaculatis.*

Body dull black, clothed with very short black hairs: head beset with a few black bristles, tawny in front and beneath, where it is covered with white bloom; sides of the face without bristles; epistoma slightly prominent: eyes dark red; facets of the fore part a little larger than those elsewhere: sucker and palpi ferruginous, partly pitchy; sucker clothed with tawny hairs; palpi beset with black bristles: feelers ferruginous, shorter than the face; third joint pitchy above, nearly round, longer than the second joint; bristle black, bare, slender, much more than twice the length of the third joint: abdomen spindle-shaped, much longer than the chest; last segment flat: legs pitchy, mostly ferruginous beneath, clothed with very short black hairs; claws black: wings slightly gray, with a narrow pitchy band at half the length of the fore border, on which, near the tip, there is a small brown spot; wing-ribs tawny; veins black, tawny at the base; longitudinal veins straight; lower cross-vein straight, slightly oblique, nearly twice its length distant from the middle cross-vein; poisers pale tawny. Length of the body 2 lines; of the wings 3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

ORTALIS? costalis, n. s., fem. *Nigra, abdomine nigro-æneo, pedibus nigris, alis limpidis ad costam fusco bimaculatis, stigmate nigro.*

Head wanting: chest dull black, beset with a very few black bristles: abdomen sessile, brassy black, shining, slightly spindle-shaped, much longer but hardly broader than the chest: legs black, clothed with very short black hairs: wings colourless, with a small brown spot just above the tip, and another at the base of the fore border, where the vein is thickened; a black band along the mid-

dle of the fore border; wing-ribs and veins black; third longitudinal vein straight, with the exception of a very slight angle at its junction with the lower cross-vein, which has two very slight curves, the upper inward, the lower outward Length of the body 1¾ line; of the wings 3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group Seioptera, *Kirby and Spence.*

Ortalis vibrans, *Falt. Ortal.* 20, 6. *Meig. Dipt.* v. 284, 21. *Macq. Hist. Nat. Dipt.* ii. 437, 11. *Zett. Ins. Lapp.* 747, 3. *Dipt. Scand.* v. 2159, 7. Musca vibrans, *Linn. Syst. Nat.* ii. 996. *Faun. Suec.* 1867. *Gmel. Ed. Syst. Nat.* i. 2855, 112. *Fabr. Sp. Ins.* ii. 450, 81. *Ent. Syst.* iv. 350, 158. *Deg. Ins.* vi. 17, 11, *pl.* 1, *f.* 19, 20. *Schrank, Ins. Austr.* 955. *Faun. Boic.* iii. 2459. *Rossi. Faun. Etrusc.* 479, 1531. *Geoff. Ins.* ii. 494, 4. *Harr. Ex.* 121, *pl.* 35, *f.* 39. *Berk. Syn.* i. 165. *Stew. El.* ii. 262. *Turt.* iii. 618. *Don. Hist. Brit. Ins.* x. 54, *pl.* 346, *f.* 3, xiii. 71, *pl.* 467, *f.* 1. Tephritis vibrans, *Fabr. Syst. Antl.* 324, 39. *Latr. Gen. Crust.* iv. 355. Seioptera vibrans, *Kirby and Spence, Intr. Ent.* ii. 305, 359.

a. England.
b. France.

Group Toxoneura, *Macquart.*

Ortalis lamed. Musca lamed, *Schrank.* M. pulchella, *Fabr. Ent. Syst.* iv. 352. *Rossi, Faun. Etrusc. Ed. Illiger.* ii. 478, 1528. Dacus pulchellus, *Fabr. Syst. Antl.* 275, 10. Scatophaga lobata, *Fabr. Syst. Antl.* 208, 22. Palloptera pulchella, *Fallen.* Ortalis pulchella, *Meig. Dipt.* vi. 379, 23. Toxoneura fasciata, *Macq. Hist. Nat. Dipt.* ii. 404, 1, *pl.* 18, *f.* 12.

a. England.
b. France.

Sepsis, *Fallen.*

Group I. Micropeza, *Desv. Essai Myod.* 740.

Sepsis cynipsea, *Fall. Ortal.* 23, 5. *Meig. Dipt.* v. 287, 1. *Latr. Regn. Anim. Nouv. Ed.* v. 532. *Macq. Hist. Nat. Dipt.* ii. 477, 1. *Walk. Ent. Mag.* i. 247, 1. *Zett. Ins. Lapp.* 749, 7. Musca cynipsea, *Linn. Syst. Nat.* ii. 997, 113. *Faun. Suec.* 1868. *Gmel. Ed. Syst. Nat.* v. 2855, 113. *Scop. Ent. Carn.* 947. *Fabr. Sp. Ins.* ii. 451, 82. *Mant. Ins.* ii. 351, 100. *Ent. Syst.* iv. 351, 160. *Deg. Ins.* vi. 33, 18, 12. *Schrank,*

Faun. Boic. iii. 2461. *Ins. Austr.* 956. *Stew, El.* 262. *Turt.* iii. 618. Lesser Musca vibrans, *Harr. Ex.* 122, *pl.* 35, *f.* 43. Tephritis cynipsea, *Fabr. Syst. Antl.* 324, 41. Micropeza cynipsea, *Latr. Gen. Crust.* iv. 355. *Reg. Anim.* iii. 546. M. fulvida, *Desv. Essai Myod.* 742, 3.

a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Haparanda. Presented by F. Walker, Esq.
e. Alten. Presented by F. Walker, Esq.

Sepsis fulgens, *Hoffsmansegg, Meig. Dipt.* v. 287, 2. *Macq. Hist. Nat. Dipt.* ii. 477, 2. *Walk. Ent. Mag.* i. 248, 2. Micropeza fulgida? *Desv. Essai Myod.* 742, 3.

a. England. Presented by F. Walker, Esq.
b. Upsal. Presented by F. Walker, Esq.

Sepsis hilaris, *Meig. Dipt.* v. 288, 3, *Macq. Hist. Nat. Dipt.* ii. 477, 3. *Walk. Ent. Mag.* i. 248, 3. Micropeza vivida, var.? *Desv. Essai Myod.* 742, 4.

a. England.

Sepsis flavimana, *Meig. Dipt.* v. 288, 4. *Walk. Ent. Mag.* i. 248, 4.

a. South of France. Presented by F. Walker, Esq.

Sepsis maculipes, *Walk. Ent. Mag.* i. 248, 5.

a. England. Presented by F. Walker, Esq.
b. England.

Sepsis concinna, *Walk. Ent. Mag.* i. 249, 6.

a. England. Presented by F. Walker, Esq.

Sepsis ruficornis, *Meig. Dipt.* v. 288, 5. *Macq. Hist. Nat. Dipt.* ii. 477, 4. *Walk. Ent. Mag.* i. 249, 7.

a. England. Presented by F. Walker, Esq.

Sepsis nigripes, *Meig. Dipt.* v. 289, 7. *Macq. Hist. Nat. Dipt.* ii. 478, 5. *Walk. Ent. Mag.* i. 249, 8. Micropeza nitida, *Desv. Essai Myod.* 743, 5.

a. England. Presented by F. Walker, Esq.

Sepsis violacea, *Meig. Dipt.* v. 289, 9. *Macq. Hist. Nat. Dipt.* ii. 478, 7. *Walk. Ent. Mag.* i. 249, 9. *Zett. Ins. Lapp.* 749, 6. Micropeza pygmæa, var.? *Desv. Essai Myod.* 743, 7.

a. England.

Sepsis punctum, *Fall. Ortal.* 22, 4. *Meig. Dipt.* v. 289, 10. *Macq. Hist. Nat. Dipt.* ii. 478, 8. *Walk. Ent. Mag.* i. 250, 10. *Zett. Ins. Lapp.* 749, 5. Musca punctum, *Fabr. Ent. Syst.* iv. 351, 159. *Coq. Illust.* 109, *pl.* 24, *f.* 14. Musca, &c., *Schell. Gen. Mouch. pl.* 4, *f.* 2. M. stigma, *Panz. Faun. Germ.* 60, 21. *Encyl. Meth. pl.* 394, *f.* 26. Tephritis punctum, *Fabr. Syst. Antl.* 324, 40. *Encyl. Meth. pl.* 396, *f.* 229. Micropeza punctum, *Latr. Gen. Crust.* iv. 355. *Nouv. Dict. d'Hist. Nat.* xx. 520. M. cynipsea, *Desv. Essai Myod.* 741, 1.

a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. ——— ? From Mr. Children's collection.

Sepsis linearis, n. s., mas. *Nigra, thorace cyaneo-viridi, palpis nigris, antennis pedibusque fulvis, tarsis piceis, alis sublimpidis apice fusco maculatis.*

Body black, nearly linear, thinly clothed with short black hairs: head and chest beset with a few black bristles: eyes dark red; fore part flat, its facets much larger than those elsewhere: sucker and palpi black: feelers tawny, shorter than the face; third joint conical, full twice the length of the second; bristle black, bare, very slender, twice the length of the third joint: chest bluish green: abdomen sessile, slightly compressed, longer and a little narrower than the chest: legs tawny, clothed with short paler hairs; feet pitchy; claws black: wings nearly colourless; a brown spot on each tip; wing-ribs and veins pitchy; fourth longitudinal vein slightly curved upward towards the tip; lower cross-vein straight; poisers tawny. Length of the body 2 lines; of the wings 3 lines.

a. Philippine Islands. From Mr. Wood's collection.

Sepsis vicaria, n. s. *Æneo-viridis, capite nigro anticè subtusque fulvo, abdomine purpureo-cupreo, antennis pedibusque fulvis, tibiis posticis basi piceis, alis limpidis macula apicali fusca.*

Body shining: head and chest beset with a very few bristles: head black, tawny in front and beneath; epistoma not prominent: eyes dark red, convex; all the facets small: feelers tawny, shorter than the face; third joint conical, more than twice the length of the second; bristle black, very slender, more than twice the length of the third joint: chest brassy-green: abdomen coppery, petiolated, much longer than the chest: disk of the back tinged with purple: legs pale tawny, slender; tips of the feet darker; claws black; hind shanks pitchy for more than half the length from the base: wings

colourless; each with a small brown spot at the tip of the first longitudinal vein, and at some distance above the tip of the wing; wing-ribs tawny; veins black; fourth longitudinal vein very slightly curved upward after its junction with the lower cross-vein, which is straight; the space between the lower cross-vein and the middle cross-vein is less than that between the lower cross-vein and the tip of the fourth longitudinal vein; poisers yellow. Length of the body 1¼ line; of the wings 2 lines.

a. Florida. Presented by E. Doubleday, Esq.

SEPSIS referens, n. s., mas. et fem. *Nigra, capite antico ferrugineo, abdomine purpureo, antennis nigris, pedibus fulvis, tibiis posticis subarcuatis, alis limpidis macula apicali fusca.*

Head and chest black, beset with very few black bristles: head ferruginous in front and beneath: eyes red, convex; all the facets very small: feelers black, shorter than the face; third joint conical, more than twice the length of the second; bristle bare, very slender, more than twice the length of the third joint: abdomen purple, petiolated, a little longer than the chest: legs tawny, clothed with very short black hairs, beset with very few black bristles; tips of the feet pitchy; claws black; fore thighs armed with black spines; hinder shanks very slightly curved: wings colourless, with a small brown spot a little above the tip; wing-ribs tawny; veins black, tawny at the base; poisers black, with tawny knobs; fourth longitudinal vein very slightly curved upward along the whole length after its junction with the lower cross-vein, which is straight, and very much nearer to the tip of the fourth longitudinal vein than to the middle cross-vein. Length of the body 1½ line; of the wings 2⅔ lines.

a. North America. Presented by the Entomological Club.

SEPSIS nodosa, n. s., fem. *Æneo-viridis, capite pectoreque piceis, thoracis lateribus ferrugineo vittatis, pedibus fulvis, femoribus posticis piceis, alis sublimpidis macula apicali fusca.*

Head pitchy: eyes black, convex; all the facets very small: head and chest beset with a few black bristles: chest dark green; a broad ferruginous stripe on each side: breast pitchy: abdomen brassy green, pointed at the tip, much longer than the chest; first segment forming a long obclavate petiole, mostly pitchy; second segment long, very convex beneath; third shorter; fourth and following very short: legs pale tawny, slender, clothed with very short tawny hairs; hind thighs pitchy, tawny at the base: hind shanks pitchy at the base; claws black: wings nearly colourless; a brown

spot on each tip; wing-ribs and veins black; fourth longitudinal vein slightly waving after its junction with the middle cross-vein, not angular where it joins the lower cross-vein, which is straight: poisers pitchy, with yellow knobs. Length of the body 2¼ lines; of the wings 3 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Group II. Nemopoda, *Desv. Essai Myod.* 743.

Sepsis cylindrica, *Meig. Dipt.* v. 290, 12. *Zett. Ins. Lapp.* 748, 3. Musca cylindrica, *Fabr. Ent. Syst.* iv. 336, 104. Musca, &c., *Geoff. Ins.* ii. 536, 84. Calobata cylindrica, *Fabr. Syst. Antl.* 263, 11. Sepsis nitidula, *Fall. Ortal.* 21, 2. Nemopoda putris, *Desv. Essai Myod.* 744, 1. N. cylindrica, *Walk. Ent. Mag.* i. 251, 1. *Macq. Hist. Nat. Dipt.* ii. 480, 1.

a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Upsal. Presented by F. Walker, Esq.
e. ——— ? From Mr. Children's collection.

Sepsis nigricornis, *Meig. Dipt.* v. 291, 13. Nemopoda nigricornis, *Macq. Hist. Nat. Dipt.* ii. 481, 2. *Walk. Ent. Mag.* i. 252, 3.

a. England. Presented by F. Walker, Esq.

Sepsis stercoraria. Nemopoda stercoraria, *Desv. Essai Myod.* 2512. *Walk. Ent. Mag.* i. 251, 2. *Macq. Hist. Nat. Dipt.* ii. 482, 7.

a. England. Presented by F. Walker, Esq.

Sepsis tarsalis. Nemopoda tarsalis, *Walk. Ent. Mag.* i. 252, 4.

a. England. Presented by F. Walker, Esq.

Sepsis rufa, n. s., mas. *Fulva, abdomine ferrugineo piceoque vario, palpis antennis pedibusque fulvis, alis limpidis basi subfuscis*

Body tawny, beset with a very few black bristles; sides of the face with a few bristles at the base; epistoma not prominent: eyes red; fore part flat, its facets much larger than those elsewhere: sucker and palpi tawny, the former clothed with paler hairs: feelers tawny, much shorter than the face; third joint conical, much longer than the second; bristle black, slender, bare, full thrice the length of the third joint: abdomen shining, much longer than the chest; first segment linear, long, forming a stout petiole, ferruginous towards the hinder border; second and following segments

together spindle-shaped; hind border of the second and fore border of the third pitchy: legs tawny, thinly clothed with short black hairs; claws black; middle of fore thighs armed with spines beneath: wings colourless, pale brown at the base; wing-ribs and veins black; lower cross-vein very slightly curved inward; poisers tawny. Length of the body 2 lines; of the wings 3 lines.

a. ———? From Mr. Children's collection.

SEPSIS depilis, n. s., fem. *Nigro-cyanea, obscura, antennis piceis, palpis pedibusque nigris, alis limpidis.*

Body bluish black, rather dull: head and chest beset with a very few black bristles: head above rather flat and slightly furrowed; epistoma not prominent: eyes pitchy, convex; facets of the fore part rather larger than those elsewhere: sucker and palpi black: feelers pitchy, shorter than the face; third joint tapering from the base to the tip, about thrice the length of the second; bristle black: abdomen spindle-shaped, narrower but hardly longer than the chest: legs black, rather long, clothed with very short black hairs: wings colourless; wing-ribs and veins pitchy; second and third longitudinal veins slightly converging along the whole length of their course beyond the angular junction of the third with the lower cross-vein. Length of the body 2½ lines; of the wings 4 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

SEPSIS tricolor, n. s., fem. *Nigra, capite nigro-cyaneo, abdomine rufo apice piceo, palpis antennis pedibusque piceis, femoribus fulvis, femoribus intermediis basi anticisque nigris, alis limpidis.*

Head and chest armed with a few black bristles: head dark blue, flat above: eyes pitchy, convex; all the facets small: sucker and palpi pitchy: feelers pitchy, shorter than the face; third joint long-conical, a little broader than the second and more than twice its length; bristle bare, very slender, full twice the length of the third joint: chest black, dull: abdomen red, shining, pitchy towards the tip, a little narrower and much longer than the chest, spindle-shaped, with a slight protuberance above at the base: legs long, pitchy, clothed with very short black hairs; hips and thighs tawny; fore thighs and tips of the middle thighs black: wings colourless; wing-ribs and veins black; second and third longitudinal veins very slightly converging along their whole length after the angular junction of the latter with the lower cross-vein, which has two extremely slight curves, the lower outward, the upper inward; poisers yellow, with pitchy knobs. Length of the body 3½ lines; of the wings 5 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Group III. Enicopus, *Walk. Ent. Mag.* i. 253.

Sepsis annulipes, *Meig. Dipt.* v. 292, 16, vii. 350, 6. *Curt. Brit. Ent.* 245. Nemopoda annulipes, *Macq. Hist. Nat. Dipt.* ii. 482, 8. Enicopus annulipes, *Walk. Ent. Mag.* i. 253, 1.
a. England. Presented by F. Walker, Esq.

Group IV. Themira, *Desv. Essai Myod.* 745.

Sepsis putris, *Fall. Ortal.* 21, 1. *Meig. Dipt.* v. 292, 15. *Hal. Ent. Mag.* ii. 170. *Zett. Ins. Lapp.* 748, 1. Musca putris, *Linn. Syst. Nat.* ii. 993. *Berk. Syn.* i. 165. *List. Goed.* 132. *Goed. Ins.* i. *pl.* 73. *Merian, Eur. Ins. pl.* 43, *f.* 83. *Frisch. Ins.* i. *pl.* 7. Musca, var. fimeti, *Linn. Faun. Suec.* 1850. M. putris, *Fabr. Sp. Ins.* ii. 445, 51. *Mant. Ins.* ii. 347, 61. *Ent. Syst.* iv. 334, 92. *Gmel. Ed. Syst. Nat.* v. 2849, 89. M. fimeti, *Schrank, Faun. Boic.* iii. 2471. Tephritis putris, *Fabr. Syst. Antl.* 323, 34. Sepsis putris, *Fall. Ortal.* 21, 1. *Meig. Dipt.* v. 292, 15. Themira putris, *Walk. Ent. Mag.* i. 254, 1. Cheligaster putris, *Macq. Hist. Nat. Dipt.* ii. 479, 1.
a. England. Presented by F. Walker, Esq.
b. France.
c. Alten, Finmark. Presented by F. Walker, Esq.

Sepsis pilosa. Themira pilosa, *Desv. Essai Myod.* 746, 1. *Walk. Ent. Mag.* i. 254, 2. Sepsis superba, *Hal. Ent. Mag.* ii. 170.
a. England. Presented by F. Walker, Esq.

Sepsis minor, *Hal. Ent. Mag.* ii. 170. Themira minor, *Walk. Ent. Mag.* i. 255, 3.
a. England. Presented by F. Walker, Esq.

Group V. Saltella, *Desv. Essai Myod.* 746.

Sepsis scutellaris. Piophila scutellaris, *Fall. Heteromyz.* 10, 3. *Meig. Dipt.* v. 397, 7. *Loew. Ent. Zeit. Stett.* ii. 188. Saltella nigripes, *Desv. Essai Myod.* 747, 2. *Walk. Ent. Mag.* i. 255, 1. *Macq. Hist. Nat. Dipt.* ii. 665, 1. *Meig. Dipt.* vii. 352, 1. S. sellata, *Hal. Ann. Nat. Hist.* 1839, 186. Nemopoda ferruginea, *Desv. Essai Myod.* 744, 1. *Macq. Hist. Nat. Dipt.* ii. 482, 9. *Meig. Dipt.* vii. 352, 13. N. scutellata,

Macq. Hist. Nat. Dipt. ii. 481, 3. *Meig. Dipt.* vii. 351, 8. N. ruficoxa, *Macq. Hist. Nat. Dipt.* ii. 481, 4. *Meig. Dipt.* vii. 351, 9. Pandora scutellaris, *Hal. Ent. Mag.* i. 169. P. basilis, *Hal. Ent. Mag.* i. 169. Anisophysa scutellaris, *Macq. Hist. Nat. Dipt.* ii. 544, 1.

a. England. Presented by F. Walker, Esq.

LAUXANIA, *Latreille.*

Group I. *Zett. Ins. Lapp.* 755.

LAUXANIA cylindricornis, *Fabr. Syst. Antl.* 212, 1. *Panz. Faun. Germ.* 105, 11. *Fall. Ortal.* 27, 1. *Meig. Dipt.* v. 296, 1. *Macq. Hist. Nat. Dipt.* ii. 506, 1. *Zett. Ins. Lapp.* 755, 1. L. rufitarsis, *Latr. Hist. Nat. Cr.* xiv. 390. Musca chrysoptera, *Schrank, Faun. Boic.* iii. 2470.

a. England.
b. ——— ? From Mr. Children's collection.
c. Georgia. From Mr. Abbot's collection.
d. New York. Presented by E. Doubleday, Esq.
e. Nova Scotia. From Lieut. Redman's collection.

LAUXANIA Elisæ, *Wied. Meig. Dipt.* v. 297, 2. *Macq. Hist. Nat. Dipt.* ii. 508, 2.

a. England. Presented by F. Walker, Esq.
b. Nova Scotia. From Lieut. Redman's collection.

LAUXANIA ænea, *Fall. Ortal.* 28, 3. *Meig. Dipt.* v. 297, 3. *Macq. Hist. Nat. Dipt.* ii. 508, 4. *Zett. Ins. Lapp.* 955, 2.

a. England.
b. ——— ? From Mr. Children's collection.

Group II. *Zett. Ins. Lapp.* 755.

LAUXANIA lupulina, *Fall. Ortal.* 29, 5. *Meig. Dipt.* v. 301, 11. *Macq. Hist. Nat. Dipt.* ii. 510, 12. *Zett. Ins. Lapp.* 755, 3. Musca lupulina, *Fabr. Syst. Antl.* 298.

a. England.
b. France.
c. New York. Presented by E. Doubleday, Esq.
d. Trenton Falls. Presented by E. Doubleday, Esq.
e. Nova Scotia. From Lieut. Redman's collection.

LONCHÆA, *Fallen.*

LONCHÆA nigra, *Meig. Dipt.* v. 305, 2. *Macq. Hist. Nat. Dipt.* ii. 512, 2.
a. England. Presented by F. Walker, Esq.

LONCHÆA tarsata, *Fall. Ortal.* 26, 3. *Meig. Dipt.* v. 305, 4, *pl.* 47, *f.* 32. *Macq. Hist. Nat. Dipt.* ii. 512, 4. *Zett. Ins. Lapp.* 754, 5.
a. England.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

LONCHÆA vaginalis, *Fall. Ortal.* 26, 2. *Meig. Dipt.* v. 307, 8. *Macq. Hist. Nat. Dipt.* ii. 513, 6. *Zett. Ins. Lapp.* 753, 1.
a. England. Presented by F. Walker, Esq.
b. England.

LONCHÆA cærulea, n. s., mas. et fem. *Cyanea, palpis nigris, antennis ferrugineis supra et apice nigris, pedibus nigris, tarsis fulvis, alis limpidis.*

Body bright blue, shining, clothed with black hairs: head and chest beset with black bristles: head black; sides of the face without bristles; epistoma slightly prominent: eyes bright red; fore part nearly flat, its facets a little larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers ferruginous, as long as the face, with a black stripe along the upper side; tips black; third joint full six times the length of the second, slightly decreasing in depth from the base to the tip, which is rounded: abdomen nearly elliptical, broader but hardly longer than the chest: oviduct of the female forming a slender tube, which is more than half the length of the abdomen: legs black, clothed with short black hairs; feet tawny, with black tips; foot-cushions yellow: wings colourless; wing-ribs and veins pale tawny, the latter darker towards the tips; lower cross-vein nearly straight; poisers tawny, with pitchy knobs. Length of the body 2¼ lines; of the wings 5 lines.

a. Georgia. From Mr. Abbot's collection.

TRYPETA, *Meigen*.

Group I. Ensina, *Desv. Essai Myod.* 751.

Note.—Many more groups may be formed of the exotic species of this genus, but these are here merely placed next to the European species to which they seem to be most allied.

TRYPETA Sonchi, Meig. Dipt. v. 345, 50. *Loew, Germ. Zeit. Ent.* v. 426, 79, *pl.* 2, *f.* 71. *Boie, Ent. Zeit. Stett.* viii. 318, 25. *Musca Sonchi, Linn. Syst. Nat.* ii. 998. *Gmel. Ed. Syst. Nat.* v. 2857, 121. Tephritis Sonchi, *Fall. Ortal.* 14, 23. *Zett. Ins. Lapp.* 746, 10. Trypeta obsoleta, *Wied. Meig. Dipt.* v. 349, 60. Tephritis Asteris, *Haliday, Ann. Nat. Hist.* 1839, 186, var.? Ensina Sonchi, *Macq. Hist. Nat. Dipt.* ii. 474, 4. *Walk. Ent. Mag.* iii. 60, 1, *pl.* 1, *f.* 1. E. chrysanthemi, *Desv. Essai Myod.* 752, 1. E. herbarum, *Desv. Essai Myod.* 752, 2. E. pratensis, *Desv. Essai Myod.* 752, 3. E. Linariæ, *Desv. Essai Myod.* 753, 4. E. Scorzoneræ, *Desv. Essai Myod.* 753, 5. E. Doronici, *Desv. Essai Myod.* 753, 6.

a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. ———? From Mr. Children's collection.

Group II. Stylia, *Desv. Essai Myod.* 754.

Group III. Oxyna, *Desv. Essai Myod.* 755.

TRYPETA parietina, *Meig. Dipt.* v. 334, 33, *pl.* 50, *f.* 7. *Loew, Germ. Zeit. Ent.* v. 366, 35. *Boie, Ent. Zeit. Stett.* vii. 328, 27. *Wissmann, Ent. Zeit. Stett.* ix. 1848, 80, xii. Musca parietina, *Linn. Syst. Nat.* ii. 996, 107. *Faun. Suec.* 458, 1863. *Gmel. Ed. Syst. Nat.* i. 5, 2854, 107. *Fabr. Sp. Ins.* ii. 450, 79. *Ent. Syst.* iv. 350, 154. Tephritis pantherina, *Fall. Ortal.* 10, 14. Oxyna cinerea, *Desv. Essai Myod.* 755, 1. Ensina parietina, *Macq. Hist. Nat. Dipt.* ii. 473, 1. Acinia parietina, *Walk. Ent. Mag.* iii. 76, 2, *pl.* 1, *f.* 21.

a. England.

Trypeta Æsia, n. s., fem. *Fusca, capite fulvo, abdominis apice nigro, palpis antennis pedibusque fulvis, alis fuscis maculis albis triginta ornatis.*

Body brown, thinly clothed with tawny hairs: head and chest beset with a few black bristles: head tawny: eyes brassy, varied with reddish purple: sucker, palpi, and feelers tawny: abdomen obconical, a little longer than the chest, hardly tapering, black towards the tip: legs tawny, clothed with short tawny hairs; claws black: wings dark brown, each adorned with about thirty white spots, these are various in size and shape, mostly round, more frequent along the border than on the disk; wing-ribs tawny; veins black, tawny towards the base; cross-veins straight, the space between them nearly equal in length to the lower cross-vein; poisers tawny. Length of the body 1¼ line; of the wings 2 lines.
a. St. James's Isle, Galapagos. Presented by C. Darwin, Esq.

Trypeta Viana, n. s., fem. *Fulva, thoracis lateribus piceo maculatis, abdomine nigro trimaculato, palpis antennis pedibusque fulvis, alis fuscis maculis limpidis fulvisque ornatis basi limpidis.*

Body tawny, clothed with tawny hairs; head and chest beset with some long black bristles: head pale tawny; sides of the face without bristles; epistoma not prominent: eyes dark red; fore part nearly flat, its facets a little larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers pale tawny, shorter than the face; third joint conical, more than twice the length of the second; bristle black, slender, clothed with hairs of moderate length, tawny at the base, more than twice the length of the third joint: chest adorned on each side with an interrupted pitchy stripe, or rather with two pitchy spots, of which the hinder is interrupted by a slender tawny stripe; scutcheon pale tawny; hind scutcheon black: abdomen elliptical, a little shorter and broader than the chest, having a large black spot on the back near the base, and two smaller black spots on each side near the tip: legs pale tawny, clothed with tawny hairs; tips of the shanks armed with black spines; claws black; fore thighs armed beneath with black bristles: wings brown, colourless at the base; fore borders adorned with one tawny and two colourless marks, the first is small and very near the bristle of the fore border, the second at a short distance from the first is larger and triangular, the third is smaller, irregularly triangular and near the tip; disk of the wing adorned with three small colourless spots; two large irregular spots on the hind border advancing into the disk of the wing: wing-ribs tawny; veins pitchy, tawny on the colourless parts of the wing;

lower cross-vein straight, separated by its length from the middle cross-vein, slightly oblique; poisers tawny. Length of the body 2¼ lines; of the wings 4½ lines.

a. ——— ?

Group IV. Oxyphora, *Desv. Essai Myod.* 757.

Trypeta Westermanni, *Meig. Dipt.* v. 333, 32, *pl.* 1, *f.* 6. *Loew, Germ. Zeit. Ent.* v. 365, 34. Musca vinulus? *Harr. Ex.* 117, *pl.* 34, *f.* 21. Oxyphora Cardui, *Desv. Essai Myod.* 757, 2. O. Westermanni, *Walk. Ent. Mag.* iii. 61, 1, *pl.* 1, *f.* 2. Tephritis Westermanni, *Macq. Hist. Nat. Dipt.* ii. 461, 2.

a. ——— ?

Trypeta Donysa, n. s. *Fusca, capite fulvo, thoracis lateribus abdomineque ferrugineis, hujus lateribus piceo vittatis, palpis antennis pedibusque fulvis, alis fuscis disco maculis fulvis margineque maculis limpidis ornatis.*

Head and chest beset with a few black bristles: head tawny, broad; face large, concave, its sides without bristles; epistoma prominent; peristoma pale yellow: eyes pitchy, slightly convex; all the facets of moderate size: sucker and palpi tawny: feelers bright tawny, not more than half the length of the face; third joint deep, slightly concave above, equally convex beneath, truncated at the tip, rather more than twice the length of the second; bristle black, tawny and stout towards the base: chest and breast dark brown, clothed with short tawny hairs; sides ferruginous: abdomen ferruginous, linear, pitchy along each side, a little narrower but hardly longer than the chest; hind borders of the segments tawny: legs tawny, clothed with short pale hairs; claws black; foot-cushions pale tawny: wings dark brown, rather broad, with some dark tawny marks in the disk, adorned with twelve or fourteen irregular colourless spots, which are disposed along the border, with the exception of a round dot near the middle cross-vein; wing-ribs and veins ferruginous; all the longitudinal veins slightly waving; lower cross-vein long, rather near the hind border, straight, with the exception of the upper end, which is very slightly curved outward; middle cross-vein very slightly curved outward, separated by much more than its length from the lower cross-vein; poisers ferruginous. Length of the body 3½ lines; of the wings 8 lines.

a. ——— ?

Group V. Terellia, *Desv. Essai Myod.* 758.

Trypeta serratulæ, *Meig. Dipt.* v. 346, 53. *Loew, Germ. Zeit. Ent.* v. 419, 75, *pl.* 2, *f.* 70. Musca serratulæ, *Linn. Syst. Nat.* ii. 997, 118. *Faun. Suec.* 461, 1871. *Gmel. Ed. Syst. Nat.* i. v. 2856, 118. *Fabr. Mant, Ins.* ii. 352. *Sp. Ins.* ii. 453, 96. *Ent. Syst.* iv. 356, 182. *Turt.* iii. 620. Dacus serratulæ, *Fabr. Syst. Antl.* 278, 27. Tephritis serratulæ, *Fall. Ortal.* 14, 22. Trypeta pallens, *Wied. Meig. Dipt.* v. 347, 54, *pl.* 50, *f.* 5. *Wied. Analect.* 54, 120. *Auss. Zweif.* ii. 502, 49. Terellia palpata, *Desv. Essai Myod.* 758, 1. T. luteola, *Desv. Essai Myod.* 759, 2. T. serratulæ, *Walk. Ent. Mag.* iii. 62, 1, *pl.* 1, *f.* 3. *Macq. Hist. Nat. Dipt.* ii. 459, 1, var.? T. pallens *Macq. Hist. Nat. Dipt.* ii. 460, 2, var.? T. Abrotani, *Macq. Hist. Nat. Dipt.* ii. 460, 5. T. longicauda, *Meig. Dipt.* vii. 356, 80, var.? T. fuscicornis, *Loew, Germ. Zeit. Ent.* v. 420, 76, var.? T. nigricoma, *Loew, Germ. Zeit. Ent.* v. 422, 77, *pl.* 2, *f.* 69. T. dentata, *Loew, Germ. Zeit. Ent.* v. 425, 78.

a. England.
b. France.
c. ———? From Mr. Children's collection.

Trypeta florescentiæ, *Meig. Dipt.* v. 321, 16, *pl.* 48, *f.* 25. *Loew, Germ. Zeit. Ent.* v. 338, 17, *pl.* 1, *f.* 15. *Boie, Ent. Zeit. Stett.* viii. 327, 11. Musca florescentiæ, *Linn. Faun. Suec.* 462, 1880. *Syst. Nat.* 999, 128. M. ruficauda, *Fabr. Ent. Syst.* iv. 353, 169. Dacus ruficaudus, *Fabr. Syst. Antl.* 276, 17. Tephritis florescentiæ, *Fall. Ortal.* 7, 9. *Macq. Hist. Nat. Dipt.* ii. 468, 29. Terellia florescentiæ, *Walk. Ent. Mag.* iii. 63, 3, *pl.* 1, *f.* 5.

a. England.
b. ———? From Mr. Children's collection.

Trypeta Winthemi, var.? *Meig. Dipt.* v. 320, 14, *pl.* 48, *f.* 26. *Loew. Germ. Ent. Zeit.* v. 341, 18, *pl.* 1, *f.* 14. Tephritis Winthemi? *Macq. Hist. Nat. Dipt.* ii. 468, 28.

a. ———?

Trypeta colon, *Meig. Dipt.* v. 346, 52. *Loew, Germ. Ent. Zeit.* v. 416, 74, *pl.* 2, *f.* 65, 66. Tephritis Alciphron, *Newm. Ent. Mag.* i. 505. Terellia Alciphron, *Walk. Ent. Mag.* iii. *pl.* 63, *f.* 4. Terellia nebulosa, *Macq. Hist. Nat. Dipt.* ii. 460, 3.

a. England.

TRYPETA Wenigeri? *Meig. Dipt.* v. 345, 51, *pl.* 50, *f.* 4. Terellia Wenigeri? *Macq. Hist. Nat. Dipt.* ii. 460, 4.
a. Ukraine. Presented by Dr. Dowler.
b. ——— ?

Group VI. Prionella, *Desv. Essai Myod.* 759.

Group VII. Forellia, *Desv. Essai Myod.* 760.

TRYPETA Artemisiæ, *Meig. Dipt.* v. 314, 4, *pl.* 48, *f.* 20. *Loew, Germ. Zeit. Ent.* v. 319, 5, *pl.* 1, *f.* 4. T. continua? *Meig. Dipt.* v. 312, 1, *pl.* 48, *f.* 16. T. alternata? *Meig. Dipt.* v. 313, 2, *pl.* 48, *f.* 17. *Loew, Germ. Zeit. Ent.* v. 315, 1, *pl.* 1, *f.* 1. T. intermissa? *Meig. Dipt.* v. 313, 3, *pl.* 48, *f.* 22. T. Artemisiæ, *Meig. Dipt.* v. 314, 4, *pl.* 48, *f.* 20. T. Meigenii? *Loew, Germ. Zeit. Ent.* v. 316, 2, *pl.* 1, *f.* 2. Musca perelegand, *Harr. Ex.* 74, *pl.* 21, *f.* 5. M. Artemisiæ, *Fabr. Ent. Syst.* iv. 351, 162. Tephritis Artemisiæ, *Fabr. Syst. Antl.* 317, 5. T. apicalis? *Zett. Ins. Lapp.* 744, 2. *Macq. Hist. Nat. Dipt.* ii. 462, 3. T. alternata, *Fall. Ortal.* 5, 3. T. interrupta, *Fall. Ortal.* 5, 4. T. intermissa? *Macq. Hist. Nat. Dipt.* ii. 462. Forellia onopordi? *Desv. Essai Myod.* 761, 1. Acidia? Artemisiæ, *Walk. Ent. Mag.* iii. 84, 2, *pl.* 1, *f.* 32, 33.
a. ——— ? From Mr. Children's collection.

TRYPETA Zöe, *Wied. Meig. Dipt.* v. 315, 7, *pl.* 48, *f.* 14, 15. *Loew, Germ. Zeit. Ent.* v. 317, 3, *pl.* 1, *f.* 3. Tephritis Zöe, *Macq. Hist. Nat. Dipt.* ii. 463, 9. *Zett. Ins. Lapp.* 744, 2. Acidia? Zöe, *Walk. Ent. Mag.* iii. 84, 3, *pl.* 1, *f.* 34.
a. England.

Group IX. Acidia, *Desv. Essai Myod.* 720.

TRYPETA cognata, *Wied. Meig. Dipt.* v. 315, 6, *pl.* 48, *f.* 19. *Loew, Germ. Zeit. Ent.* v. 320, 6, *pl.* 1, *f.* 5. *Boie, Ent. Stett.* viii. 1847, 326, 3, ix. 1848, 82, 5. Tephritis cognata, *Wied. Zool. Mag.* i. 76. *Macq. Hist. Nat. Dipt.* ii. 463, 7. T. lucida, *Fall. Suppl.* ii. 13. Acidia cognata, *Desv. Essai Myod.* 721, 2. *Walk. Ent. Mag.* iii. 83, 1, *pl.* 1, *f.* 31.
a. England.
b. ——— ? From Mr. Children's collection.

TRYPETA Alcinoe, n. s., mas. *Fulva, abdomine nigro, palpis antennis pedibusque fulvis, femoribus flavis, tarsis apice fuscis, alis fusco trifasciatis.*

Body tawny, smooth, shining, long and narrow, beset with a few black bristles: head yellow beneath, and having a pitchy spot on the crown in front of the eyelets; sides of the face without bristles; epistoma not prominent: eyes red, convex; all the facets very small: sucker pale tawny, clothed with tawny hairs; palpi pale tawny, beset with black bristles: feelers tawny, shorter than the face; third joint conical, full twice the length of the second; bristle black, feathered to the tip with very short hairs, more than twice the length of the third joint: abdomen black, spindle-shaped, much longer than the chest: legs tawny; thighs yellow; feet brown towards the tips; claws black: wings rather narrow, colourless, adorned with three brown bands; the first at one-third of the length of the wing from the base becomes indistinct at a little below the fore border, and disappears in the disk of the wing; the second, a little beyond, proceeds to the hind border, where it is joined to the third; the latter is very broad, and occupies one-third of the wing from the tip, it incloses a colourless spot on the hind border; wing-ribs and veins tawny, the latter pitchy in the brown parts of the wing; lower cross-vein slightly curved outward, parted by more than its length from the middle cross-vein, by more than twice its length from the tip of the wing, and by less than half its length from the hind border; poisers yellow. Length of the body 3 lines; of the wings 5½ lines,

a. ——— ?

Group X.

TRYPETA cornigera, n. s., mas. *Fulva, capite flavo quadricornuto, thorace nigro trimaculato, palpis antennis pedibusque flavis, alis limpidis angustis fusco vittatis.*

Body tawny, slender, beset with a few black bristles: head yellow, armed above with four black horns; these are as long as the head and somewhat widened towards the tips, which are truncated: face whitish, its sides without bristles; epistoma not prominent: eyes red; fore part slightly convex, its facets larger than those elsewhere: sucker tawny, clothed with yellow hairs; palpi yellow, beset with a few black bristles: feelers yellow, shorter than the face; third joint conical, very much longer than the second; bristle slender, downy, black towards the tip, near thrice the length of the third joint: disk of the chest slightly ferruginous; a black

square spot on the fore part near the neck, which is yellow; a small black spot on each side of the scutcheon: abdomen linear, narrower and much longer than the chest, thinly clothed with short black hairs: legs yellow, clothed with short black hairs; claws black: wings colourless, long, narrow, adorned with a brown stripe, which extends from the base and occupies the whole of the tip, and forms three curves in its junction with the colourless part along the hind border; there are some tawny intervals at the base and along the colourless part of the fore border, which extends near three-fourths of the length of the wing; it is nearly interrupted by two outward curves of the brown part, and it has a small black spot by the black spine of the wing; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein very slightly curved outward, rather less than its length distant from the middle cross-vein, which is straight, perpendicular, and less than half the length of the lower cross-vein; longitudinal veins very slightly waving; poisers yellow. Length of the body 2½ lines; of the wings 6 lines.

a. North America? Presented by the Entomological Club.

TRYPETA cornifera, n. s., mas. *Fulva, capite flavo, quadricornuto, thorace nigro trimaculato, palpis antennis pedibusque flavis, alis limpidis angustis fulvo variis.*

Body tawny, slender, beset with a few black bristles: head yellow, armed above with four black horns; these are as long as the head and somewhat widened towards the tips, which are truncated: face whitish, its sides without bristles; epistoma not prominent: eyes red; fore part slightly convex, its facets larger than those elsewhere: sucker tawny, clothed with yellow hairs; palpi yellow, beset with a few black bristles: feelers yellow, shorter than the face; third joint conical, very much longer than the second: bristle slender, downy, black towards the tip, nearly thrice the length of the third joint: disk of the chest slightly ferruginous; a black square spot on the fore part, near the neck, which is yellow; a small black spot on each side of the scutcheon: abdomen linear, narrower and much longer than the chest, thinly clothed with short black hairs: legs yellow, clothed with short black hairs; claws black: wings colourless, long, narrow, adorned (excepting the hind border) with tawny marks from the base to the tip; these have some slight brownish intervals, include four oblong, colourless spots, and are obliquely interrupted at three-fourths of the length; beyond this they form a semicircular stripe, whose concave side fronts the hind border, towards which it sends forth a very oblique branch; wing-ribs and veins tawny; lower cross-vein hardly curved outward, rather less than its length distant from the middle cross-vein, which is

slightly oblique, stout, and about half the length of the lower cross-vein; longitudinal veins very slightly waving; poisers yellow. Length of the body 2½ lines; of the wings 6 lines.

a. ——— ?

Group XI. Xyphosia, *Desv. Essai Myod.* 762.

TRYPETA Arnicæ, *Meig. Dipt.* v. 333, 31. Musca Arnicæ, *Linn. Syst. Nat.* ii. 997, 115. *Faun. Suec.* 1872. *Gmel. Ed. Syst. Nat.* i. 5, 2856, 119. *Fabr. Ent. Syst.* iv. 352, 166. *Schrank, Ins. Austr.* 959. *Aldrov. Ins.* 346, *pl.* 1, *f.* 5. *Scop. Ent. Carn.* 941. Musca flava, &c., *Geoff. Ins.* ii. 498, 12. M. pulicaria, *Schrank, Ins. Austr.* 476, 968. *Gmel. Ed. Syst. Nat.* i. 5, 2863, 306. M. onopordinis? *Don. Ins.* ii. 67, *pl.* 62. *Turt.* iii. 622. M. arcuata, *Fabr. Mant. Ins.* ii. 352, 105. *Sp. Ins.* ii. 451, 86. *Ent. Syst.* iv. 353, 170. *Gmel. Ed. Syst. Nat.* v. 2856, 242. *Panz. Faun. Germ.* 98, 22. Trupanea sphærocephala, *Schrank, Faun. Boic.* iii. 2515. Dacus arcuatus, *Fabr. Syst. Antl.* 277, 19. Tephritis Arnicæ, *Fabr. Syst. Antl.* 316, 1. *Latr. Gen. Crust.* iv. 355. *Dict. d'Hist. Nat.* 24, 196, 385. *Fall. Ortal.* 8, 10. *Macq. Hist. Nat. Dipt.* ii. 461, 1. Xyphosia cirsiorum, *Desv. Essai Myod.* 762, 1. Forellia Arnicæ, *Walk. Ent. Mag.* i. 64, 1, *pl.* 1, *f.* 6. Trypeta flava, *Loew, Germ. Zeit. Ent.* v. 363, 33. *Boie, Ent. Stett.* viii. 326, 5, ix. 82, 6.

a. England.
b. France.
c. ———? From Mr. Children's collection.

Group XII. Sitaria, *Desv. Essai Myod.* 763.

Group XIII. Orellia, *Desv. Essai Myod.* 765.

TRYPETA Wiedemanni, *Meig. Dipt.* v. 320, 15, *pl.* 49, *f.* 2. *Loew, Germ. Zeit. Ent.* v. 342, 19, *pl.* 1, *f.* 16. Tephritis Wiedemanni, *Macq. Hist. Nat. Dipt.* ii. 466, 22. Orellia flavicans, *Desv. Essai Myod.* 765, 1. O. Wiedemanni, *Walk. Ent. Mag.* iii. 66, 1, *pl.* 1, *f.* 7.

a. South of France. Presented by the Entomological Club.
b. ———?

Group XIV. Tephritis, *Latreille.*

Trypeta cornuta, *Meig. Dipt.* v. 318, 12, *pl.* 48, *f.* 2. *Loew, Germ. Zeit. Ent.* v. 338, 16. *Boie, Ent. Stett.* viii. 327, 10, ix. 81, 2. Musca cornuta, *Fabr. Ent. Syst.* iv. 357, 186. Scatophaga cornuta, *Fabr. Syst. Antl.* 209, 28. Tephritis cornuta, *Fall. Ortal.* 4, 1. *Curt. Brit. Ent.* vi. *pl.* 231. *Macq. Hist. Nat. Dipt.* ii. 468, 30. *Walk. Ent. Mag.* iii. 67, 1, *pl.* 1, *f.* 8.

a. England.
b. ——— ? From Mr. Children's collection.

Trypeta Lappæ, *Meig. Dipt.* v. 318, 11. *Loew, Germ. Zeit. Ent.* v. 334, 14, *pl.* 1, *f.* 12 ? Musca Arctii, *Panz. Faun. Germ.* 22, 23. M. Lappæ ? *Cederh. Prodr.* 319, *pl.* 3, K. Tephritis Arctii ? *Desv. Essai Myod.* 767, 6. T. Lappæ, *Macq. Hist. Nat. Dipt.* ii. 467, 26. *Walk. Ent. Mag.* iii. 67, 2, *pl.* 1, *f.* 6. Tephritis octopunctata ? *Macq. Hist. Nat. Dipt.* ii. 466, 23. Trypeta octopunctata ? *Loew, Germ. Zeit. Ent.* v. 336, 15, *pl.* 1, *f.* 13.

a. England.
b. France.
c. ——— ? Presented by the Entomological Club.
d. ——— ? Presented by F. Walker, Esq.

Trypeta Tussilaginis, *Meig. Dipt.* v. 319, 13, *pl.* 48, *f.* 27. *Loew, Germ. Zeit. Ent.* v. 332, 13, *pl.* 1, *f.* 11. *Boie, Ent. Stett.* viii. 328, 26, ix. 82, 7. Musca Tussilaginis, *Fabr. Mant. Ins.* ii. 353, 122. *Sp. Ins.* ii. 454, 101. *Ent. Syst.* iv. 359, 193. . *Gmel. Ed. Syst. Nat.* v. 2858, 250. Trupanea Acanthi, *Schrank, Faun. Boic.* iii. 2509. Dacus Tussilaginis, *Fabr. Syst. Antl.* 277, 24. Tephritis cylindrica ? *Desv. Essai Myod.* 767, 4. T. impuncta, *Desv. E. M.* 767, 5. T. Arctii ? *Desv. E. M.* 767, 6. T. Tussilaginis, *Walk. Ent. Mag.* iii. 68, 3, *pl.* 1, *f.* 10. *Macq. Hist. Nat. Dipt.* ii. 464, 13.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

Trypeta Arctii, *Meig. Dipt.* v. 317, 10, *pl.* 48, *f.* 28. *Loew, Germ. Zeit. Ent.* v. 330, 12, *pl.* 1, *f.* 10. Musca Arctii, *Deg. Ins.* vi. 21, 16, *pl.* 2, *f.* 6-14. M. punctata, *Schrank, Ins. Aust.* 963. Trupanea punctata, *Schrank; Faun. Boic.* iii. 2510. Tephritis solstitialis, *Panz. Faun. Germ.* 103, 22. T. Arctii, *Fall. Ortal.*

4, 2. T. Jaceæ, *Desv. Essai Myod.* 766, 1. T. dorsalis, *Desv. E. M.* 766, 2. *Macq. Hist. Nat. Dipt.* ii. 467, 27. T. pusilla, *Desv. E. M.* 766, 3. T. cylindrica? *Desv. E. M.* 767, 4. T. abdominalis, *Desv. E M.* 768, 7. T. Arctii, *Macq. Hist. Nat. Dipt.* ii. 467, 25. *Walk. Ent. Mag.* iii. 68, 4, *pl.* 1, *f.* 11. Trypeta punctata? *Loew, Germ. Zeit. Ent.* v. 328, 11.

a. England.

b. France.

c. South of France. Presented by the Entomological Club.

TRYPETA Acidusa, n. s., fem. *Fulva, thoracis lateribus flavo vittatis, abdomine fusco, terebra fulva apice nigra, palpis antennis pedibusque fulvis, alis limpidis fulvo fuscoque vittatis et fasciatis.*

Body tawny: head and chest beset with some long black bristles, which form a fringe on each side of the crown; there is also a cross row of short black bristles behind the eyes: head adorned with whitish bloom; sides of the face without bristles; epistoma very prominent: eyes purple, flat and partly green in front, where the facets are much larger than elsewhere: sucker ferruginous, jointed, bent, clothed with tawny hairs; palpi pale tawny, beset with black bristles: feelers tawny, as long as the face; third joint more than four times the length of the second, downy, nearly linear, but very slightly decreasing in depth towards the tip, which is rounded; bristle black, slender, downy, tawny at the base, very much more than twice the length of the third joint: chest clothed with tawny down; a yellow stripe on each side: abdomen (excluding the tube) pale brown, oval, clothed with black hairs, narrower and shorter than the chest; tube tawny, with a black tip, cylindrical, longer, and much narrower than the fore part: legs tawny, clothed with short tawny hairs; claws black; fore thighs armed beneath with black bristles: wings colourless, varied with tawny, which proceeds from the base and divides into two forks; the upper fork is darker than the other, and forms a regular stripe along the fore border for half the length of the wing; the lower fork is curved, and joins the tip of the upper, with which by afterwards attaining the fore border of the wing it encloses a small colourless space; a little beyond this it sends forth two branches (united at the base) to the hind border, and is continued to the tip of the wing; tawny parts partly bordered with pale brown; wing-ribs and veins tawny; veins pitchy in the tawny parts of the wing; longitudinal veins straight, with the exception of the third, which is slightly waving, and more deeply curved near the tip; lower cross-vein oblique, nearly straight, divided by rather less than its length from the

middle cross-vein, which is also nearly straight, but less oblique than the other; poisers tawny. Length of the body 5 lines; of the wings 8 lines.

a. Jamaica. From Mr. Gosse's collection.

TRYPETA Ethalea, n. s., fem. *Fulva, terebra longa apice nigra, palpis antennis pedibusque fulvis, alis limpidis fulvo vittatis fuscoque variis.*

Body tawny: head and chest beset with some long black bristles, of which there is a row on each side of the crown, there is also a cross-fringe of short black bristles behind the eyes; epistoma very slightly prominent; sides of the face without bristles: eyes red; fore part flat, its facets much larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, as long as the face; third joint conical, rounded at the tip, nearly thrice the length of the second; bristle black, downy, slender, tawny at the base, much more than twice the length of the third joint: chest and abdomen clothed with short bright tawny hairs: abdomen oval and shorter than the chest, with the exception of the tube; the latter is nearly cylindrical, about as long as the preceding part, and tapers slightly to the tip, which is black: legs tawny, clothed with short tawny hairs; claws black; fore thighs armed beneath with black bristles: wings colourless, adorned with tawny marks, which form a fork from the base of the wing; the upper branch is a regular stripe along the fore border for one half of the length, and includes a ferruginous brand near its tip; the lower branch is much curved and joins the tip of the upper, and thence proceeds to the fore border, which it accompanies to the tip of the wing, leaving a triangular colourless space between; parallel to it, and a short distance beneath is another angular band; these tawny marks are clouded with brown, and there are two dark brown dots near the base of the second longitudinal vein; wing-ribs and veins tawny; longitudinal veins slightly waving, the third curved upward at the tip; lower cross-vein separated by a little less than its length from the middle cross-vein, and having two very indistinct curves, the upper outward, the lower inward; middle cross-vein straight, slightly oblique. Length of the body 5½ lines; of the wings 10 lines.

a. Para. Presented by Reginald Graham, Esq.

TRYPETA Ocresia, n. s., fem. *Fulva, terebra longa apice nigra, palpis piceis, antennis pedibusque fulvis, alis limpidis fulvo vittatis.*

Head and chest beset with long black bristles, which form a row on each side of the crown, and there is a cross fringe of short black bristles behind the head: head tawny; sides of the face without bristles; epistoma slightly prominent: eyes red; fore part flat, its facets larger than those elsewhere; sucker pitchy, clothed with tawny hairs: palpi pitchy, beset with black bristles: feelers tawny, as long as the face; third joint near thrice the length of the second, slightly decreasing in depth from the base to the tip, which is rounded; bristle black, slender, downy, tawny at the base, much more than twice the length of the third joint: chest and breast dark tawny: chest clothed with short black hairs: abdomen dark tawny, rather thickly clothed with short black hairs; the part before the tube is shorter and narrower than the chest, and slightly increases in breadth from the base to the tip; the tube is cylindrical, longer than the preceding part, and slightly decreases in breadth from the base to the tip, which is black: legs tawny, clothed with short black hairs; claws black; fore thighs thickly armed beneath with black bristles: wings colourless, adorned with tawny stripes, which proceed in two branches from the base of the wing; the upper fork has a colourless interval between it and the fore border, which it afterwards joins, and shortly terminates at half the length of the wing; the lower fork is much curved, joins the tip of the first, and there (including a triangular colourless spot) attains the fore border, and proceeds to the tip of the wing; parallel below it there is a forked stripe, which is imperfect, nearly half of the tip fork being wanting; these tawny marks are slightly streaked with brown; wing-ribs tawny; veins tawny, pitchy in the tawny parts of the wing; longitudinal veins slightly waving; third longitudinal vein much curved upward near the tip; lower cross-vein nearly straight, slightly oblique, separated by less than its length from the middle cross-vein, which is straight and oblique; poisers tawny. Length of the body 4½ lines; of the wings 7 lines.

a. Jamaica. From Mr. Gosse's collection.

TRYPETA Hysia, n. s., fem. *Fusca, capite fulvo, abdomine nigro-piceo basi fulvo apice fusco, palpis fulvis, antennis piceis basi fulvis, pedibus fuscis, alis limpidis fusco quadrivittatis.*

Body brown, clothed with short tawny hairs: head and chest beset with a few black bristles: head tawny, ferruginous between the eyelets and the base of the feelers: eyes brassy; fore part flat, its facets very much larger than those elsewhere: sucker ferrugi-

nous, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers pitchy, shorter than the face; first and second joints tawny; third joint linear, tawny at the base, obliquely truncated at the tip, near thrice the length of the second joint: abdomen pitchy black, tawny at the base, pale brown and slightly tapering at the tip; tube yellow: legs brown, clothed with short black hairs; hips tawny; knees ferruginous; claws black: wings colourless, pale brown along the fore border at the base, and adorned with two forked, darker brown marks, which form four bands; the inner fork of the first joins the brown at the base of the wing, and is shorter than the outer, which includes the middle cross-vein; the inner fork of the second extends all across the wing and includes the lower cross-vein, and the outer fork extends along the fore border to a little below the tip of the wing; wing-ribs and veins black; lower cross-vein curved inward; poisers pitchy. Length of the body 2 lines; of the wings 4 lines.

q. Sierra Leone. Presented by the Rev. D. F. Morgan.

Group XV. Urophora, *Desv. Essai Myod.* 769.

Trypeta Cardui, *Meig. Dipt.* v. 326, 23, *pl.* 49, *f.* 9. *Loew, Germ. Zeit. Ent.* v. 352, 27. *Boie, Ent. Zeit. Stett.* viii. 327, 15. Musca Cardui, *Linn. Syst. Nat.* ii. 998, 126. *Faun. Suec.* 1876, 1063. *Deg. Ins.* vi. 49, 18. *Gmel. Ed. Syst. Nat.* i. 5. 2858, 126. *Fabr. Mant. Ins.* ii. 353, 120. *Sp. Ins.* ii. 454, 100. *Ent. Syst.* iv. 359, 191. *Stew. El.* ii. 263. *Turt.* iii. 621. *Reaum. Ins.* iii. 2, *pl.* 45, *f.* 12-16. *Geoff. Ins.* vi. 11, 496, 8. *Goed. Ins.* i. 50. *List. Goed.* 313, 102, *pl.* 129. *Blank. Ins.* 189, *pl.* 16, *f.* T. *Leeuwenh.* 58, *f.* 10. Trupanea Cardui, *Schrank, Faun. Boic.* 2514. Tephritis Cardui, *Fabr. Syst. Antl.* 321, 21 *Latr. Gen. Crust.* iv. 355. *Règne. Anim.* v. 534. *Lam. Anim. Sans. Vertèb.* iii. 364, 2. Urophora cardui, *Macq. Hist. Nat. Dipt.* ii. 456, 6. *Walk. Ent. Mag.* iii. 69, 1. U. Reaumurii, *Desv. Essai Myod.* 770, 4. U. liturata, *Desv. E. M.* 771, 5. U. Sonchi, *Desv. E. M.* 771, 6. U. Centaureæ, *Desv. E. M.* 772, 7. U. Dejeanii, *Desv. E. M.* 772, 8. Scatophaga flexuosa, *Germ. Faun.* ii. 25.

a. England.
b. France.

Trypeta aprica, *Meig. Dipt.* v. 329, 26, *pl.* 49, *f.* 13. *Loew, Germ. Zeit. Ent.* v. 359, 30; *pl.* 1, *f.* 27. Musca solstitialis, *Fabr. Sp. Ins.* ii. 454, 103. *Ent. Syst.* iv. 359, 195. Tephritis solstitialis, *Fabr. Syst. Antl.* 321, 25. T. aprica, *Fall. Ortal.* 7, 7. Urophora pugionata, *Walk. Ent. Mag.* iii. 70, 2, *pl.* 1, *f.* 13.

a. England.
b. France.

Trypeta solstitialis, *Meig. Dipt.* v. 329, 27, *pl.* 49, *f.* 10. *Loew, Germ. Zeit. Ent.* v. 355, 29, *pl.* 1, *f.* 25, 26. *Boie, Ent. Stett.* viii. 327, 17, ix. 83, 10. Musca solstitialis, *Linn. Syst. Nat.* ii. 999, 127. *Faun. Suec.* 1879. *Gmel. Ed. Syst. Nat.* i. v. 2858, 127. *Berk. Syn.* i. 165? *Stew. El.* ii. 263. *Turt.* iii. 621. *Cederh. Prodr.* 318, 1006. *Don.* ix. 15, *pl.* 294? *Fabr. Sp. Ins.* ii. 454, 103. *Ent. Syst.* iv. 359, 195. Musca, &c., *Geoff. Ins.* ii. 499, 14. M. Dauci, *Fabr. Mant. Ins.* ii. 353, 118. *Ent. Syst.* iv. 358, 187. *Gmel. Ed. Syst. Nat.* v. 2857, 248. M. stylata, *Fabr. Mant. Ins.* ii. 351, 104. *Sp. Ins.* ii. 451, 85. *Ent. Syst.* iv. 353, 168. *Gmel. Ed. Syst. Nat.* v. 2855, 241. *Stew. El.* ii. 262. *Turt.* iii. 619. M. Jacobeæ, *Panz. Faun. Germ.* 97, 22. Trupanea Cirsii, *Schrank, Faun. Boic.* iii. 2505. T. Leucacanthi, *Schrank, Faun. Boic.* iii. 2507. Dacus stylatus, *Fabr. Syst. Antl.* 275, 13. D. hastatus, *Fabr. Syst. Antl.* 276, 15. D. Dauci, *Fabr. Syst. Antl.* 277, 22. Tephritis solstitialis, *Fabr. Syst. Antl.* 321, 25. *Latr. Gen. Crust.* iv. 355. *Fall. Ortal.* 6, 5. *Lam. Anim. Sans. Verteb.* iii. 364, 1. T. stylata, *Fabr. Syst. Antl.* 275, 13. T. Jacobeæ, *Fall. Ortal.* 66. T. aprica, *Fall. Ortal.* 7, 7. Trypeta stylata, *Meig. Dipt.* v. 327, 24, *pl.* 49, *f.* 12. T. cuspidata, *Meig. Dipt.* v. 328, 25, *pl.* 49, *f.* 5. T. aprica, *Meig. Dipt.* v. 329, 26, *pl.* 49, *f.* 13. T. pugionata, *Meig. Dipt.* v. 330, 28, *pl.* 49, *f.* 11. Urophora Cardui, *Desv. Essai Myod.* 769. 1. U. solstitialis, *Macq. Hist. Nat. Dipt.* ii. 457, 9. *Walk. Ent. Mag.* iii. 71, 3, *pl.* 1, *f.* 14. U. cuspidata, *Macq. Hist. Nat. Dipt.* ii. 457, 8.

a. England.
b. France.
c. South of France. Presented by the Entomological Club.
d. ——? From Mr. Children's collection.

Trypeta fasciata, *Meig. Dipt.* v. 322, 18, *pl.* 49, *f.* 1. *Loew. Germ. Zeit. Ent.* v. 345, 21, *pl.* 1, *f.* 18. Scatophaga fasciata, *Fabr. Syst. Antl.* 210, 29. Tephritis fasciata, *Macq. Hist. Nat. Dipt.* ii. 466, 21.

a. Aix-la-chapelle. Presented by F. Walker, Esq.

TRYPETA vespertina, *Loew. Germ. Zeit. Ent.* v. 387, 50, *pl.* 1, *f.* 36.
a. Aix-la-chapelle. Presented by F. Walker, Esq.

TRYPETA Cluana, n. s., mas. et fem. *Purpureo-cyanea cano tecta, capitis vertice ferrugineo, terebra basi ferruginea, palpis fulvis, antennis ferrugineis nigro vittatis, pedibus purpureis, tarsis fulvis, alis limpidis fusco quadrifasciatis.*

Body bright deep metallic blue, clothed with black hairs and bristles: head adorned with a white covering, thinly clothed beneath with whitish hairs; crown deep ferruginous, except a white stripe along each side; a large yellowish brown spot on each side between the eyes and the sides of the peristoma; sides of the face without bristles; epistoma prominent; sucker pitchy, clothed with tawny hairs; palpi tawny, broad, beset with black bristles: eyes red, very oblong; fore part nearly flat, its facets a little larger than those elsewhere; a black stripe along the face from the eyelets to the epistoma: feelers ferruginous, much shorter than the face, striped above with black; third joint nearly flat above, convex beneath, slightly truncated at the tip, full thrice the length of the second; bristle black, downy, tawny at the base, very slender, full thrice the length of the third joint: sides of the chest purplish: abdomen obconical, as long as or a little longer than the chest, adorned with a hoary tinge on the hind border of each segment, ferruginous at the base of the tube, which is shorter than the preceding part, sutures tinged with purple: legs dark purple, clothed with short black hairs; shanks almost black; feet bright tawny, with black tips; foot-cushions tawny: wings colourless, adorned with four broad dark brown bands, the first near the base; second and third joining each other and forming an angle beneath the fore borber, and including the cross-veins, second not quite reaching the hind border, the fourth along the fore border, extending a little beyond the tip; wing-ribs pale yellow; veins black, yellow at the base and here and there in the colourless parts of the wing; lower cross-vein nearly perpendicular, very slightly curved outward, separated by more than its length from the middle cross-vein, which is oblique; the other two cross-veins are beyond one-third of the length of the wing from its base; longitudinal veins very slightly waving; scales white, small; poisers yellowish white Length of the body 2½ lines; of the wings 5½ lines.

a. New Holland. Presented by the Entomological Club.
b. New Holland.

TRYPETA Narytia, n. s., mas. *Fusca cinereo tecta, capite fulvo, abdomine piceo basi fulvo, palpis antennis pedibusque fulvis, alis limpidis fusco quadrifasciatis.*

Body brown, thinly clothed with short black hairs: head and chest beset with very few black bristles: head tawny, adorned with white bloom, which occupies only the sides of the crown; sides of the face without bristles; epistoma not prominent: eyes red; fore part slightly convex, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi tawny: feelers tawny, shorter than the face; third joint downy, nearly conical, rather more than twice the length of the second, slightly angular on the upper side of the tip; bristle black, bare, tawny and stout at the base, rather more than twice the length of the third joint: chest covered with gray bloom: abdomen pitchy, shining, spindle-shaped, tawny at the base, much longer and a little narrower than the chest: legs tawny, clothed with short black hairs; claws black: wings colourless, adorned with four brown bands; the first, second and fourth bands extend but little below the fore border; the third attains the hind border and includes the two cross-veins; wing-ribs and veins tawny, the latter dark towards the tips and in the dark parts of the wings; the distance between the cross-veins is less than the length of the middle cross-vein; poisers tawny. Length of the body 1¼ lines; of the wings 2½ lines.

a. Florida. Presented by E. Doubleday, Esq.

TRYPETA Avala, n. s., fem. *Nigra, capite antico ferrugineo, palpis fulvis, antennis ferrugineis, pedibus fulvis, tarsis piceis, alis limpidis fusco quadrifasciatis.*

Body black, thinly clothed with short black hairs: head and chest beset with a few black bristles: head ferruginous in front; face hoary, its sides without bristles; epistoma prominent: sucker black, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers ferruginous, shorter than the face; third joint conical, about twice the length of the second; bristle black, slender, bare, much more than thrice the length of the third joint: abdomen obconical, a little longer than the chest: legs tawny, clothed with short black hairs; shanks pitchy; feet dark tawny; claws black: wings colourless, adorned with four broad dark brown bands, which are divided by equal intervals, the first at the base, the fourth at the tip; wing-ribs and veins pale tawny; veins black in the dark parts of the wing; the distance between the cross-veins is full twice the length of the lower cross-vein; the latter is very slightly curved outward; poisers yellow. Length of the body 1¼ line; of the wings 2½ lines.

a. Jamaica. From Mr. Gosse's collection.

TRYPETA Atilia, n. s., mas. *Nigra, capite antennisque fulvis, pedibus flavis, femoribus nigris, alis fuscis basi maculisque quinque albis.*

Body black: head and chest thinly beset with black bristles: crown and front of the head tawny, sides of the face without bristles; epistoma hardly prominent: eyes red; facets of the fore part larger than those elsewhere: sucker and palpi black? feelers tawny: abdomen linear, clothed with short black hairs, a little longer and narrower than the chest: legs yellow, clothed with thort black hairs; thighs black; fore thighs armed with black bristles; claws black: wings very dark brown, white at the base, and adorned with five white marks; one of these is triangular, and rests on the fore border; the other four are more linear, and are open to the hind border; the one nearest to the base of the wings is linear, the second is small; the third and the fourth are widest along the border of the wing, and the fourth is longer than the third; wing-ribs tawny; veins black, tawny in the white parts of the wing; longitudinal veins very slightly waving; lower cross-vein a little oblique, slightly curved outward, distant by much less than its length from the middle cross-vein, which is straight and perpendicular; poisers tawny. Length of the body 1¼ line; of the wings 3 lines.

a. China. Presented by G. T. Lay, Esq.

TRYPETA Tucia, n. s., fem. *Nigra, capite fulvo, palpis antennis pedibusque fulvis, femoribus nigris, alis limpidis fusco quadrifasciatis.*

Body black: head and chest beset with a few black bristles: head tawny; sides of the face without bristles; epistoma slightly prominent: eyes red; facets of the fore part larger than those elsewhere: sucker tawny, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, nearly as long as the face; third joint conical, less than twice the length of the second; bristle black, downy at the base, nearly twice the length of the third joint: abdomen nearly oval, not longer than the chest; tube truncated-obconical, full one fourth of the length of the preceding part: legs tawny, clothed with short black hairs; thighs black: wings colourless, adorned with four broad brown bands, these are all united along the fore border, where they include a triangular, colourless spot; wing-ribs and veins tawny, the latter black in the brown parts of the wing; longitudinal veins straight; lower cross-vein straight, slightly oblique, separated by less than half its length from the middle cross-vein, which is straight and perpendicular; poisers tawny. Length of the body 1¼ line; of the wings 2½ lines.

a. North Bengal. From Miss Campbell's collection.

Group XVI. Aciura, *Desv. Essai Myod.* 773.

Trypeta signata, *Meig. Dipt.* v. 332, 30, *pl.* 49, *f.* 4. *Bach, Ent. Zeit. Stett.* iii. 263. Musca cerasi? *Linn. Faun. Suec. Ed.* 1, 1061. *F. S. Ed.* 2, 1878. M. solstitialis, *Sulzer, Ins.* 216, *pl.* 28, *f.* 11. Urophora liturata, *Desv. Essai Myod.* 771, 5. U. signata, *Macq. Hist. Nat. Dipt.* ii. 458, 11. Tephritis Hebe, *Newman, Ent. Mag.* i. 506. Sphenella signata, *Walk. Ent. Mag.* iii. 73, *pl.* 1, *f.* 17. Trypeta Cerasi, *Loew, Germ. Zeit. Ent.* v. 361, 32. *Boie, Ent. Zeit. Stett.* viii. 327, 18.

a. England.

Group XVII. Sphenella, *Desv. Essai Myod.* 773.

Trypeta marginata, *Meig. Dipt.* v. 322, 17, *pl.* 49, *f.* 15. *Loew, Germ. Zeit. Ent.* v. 344, 20, *pl.* 1, *f.* 17. *Boie, Ent. Zeit. Stett.* viii. 327, 12. Tephritis marginata, *Fall. Ortal.* 7, 8, 17, *pl.* 49, *f.* 15. *Macq. Hist. Nat. Dipt.* ii. 465, 18. Sphenella Linariæ, *Desv. Essai Myod.* 774, 1. S. marginata, *Walk. Ent. Mag.* iii. 73, *pl.* 1, *f.* 18.

a. England. Presented by F. Walker, Esq.

Group XVIII. Urellia, *Desv. Essai Myod.* 774.

Trypeta stellata, *Loew, Germ. Zeit. Ent.* v. 411, 71. *Boie, Ent. Zeit. Stett.* viii. 328, 23. Musca stellata, *Fuessl. Verz.* 11, 25. *Sulzer, Ins.* 216, *pl.* 28, *f.* 12. M. radiata, *Fabr. Ent. Syst. Suppl.* 565, 157. Musca, &c., *Geoff. Ins.* ii. 494, 3. Trupanea radiata, *Schrank, Faun. Boic.* iii. 2525. Tephritis radiata, *Fabr. Syst. Antl.* 319, 16. *Panz. Faun. Germ.* 103, 21. *Fall. Ortal.* 12, 19. T. terminata, *Fall. Ortal.* 13, 20. Trypeta radiata, *Meig. Dipt.* v. 343, 48, *pl.* 50, *f.* 3. T. terminata, *Meig. Dipt.* v. 343, 47, *pl.* 50, *f.* 10. Urellia Calcitrapæ, *Desv. Essai Myod.* 774, 1. U. Parisiensis, *Desv. Essai Myod.* 775, 2. U. radiata, *Walk. Ent. Mag.* iii. 74, 1, *pl.* 1, *f.* 19. Acinia radiata, *Macq. Hist. Nat. Dipt.* ii. 472, 11.

a. England.
b. France.
c. South of France. Presented by the Entomological Club.
d. ——— ? From Mr. Children's collection.

TRYPETA Mevarna, n. s., fem. *Fulva cinereo tecta, abdomine basi cinereo apice nigro, palpis antennis pedibusque fulvis, alis albis apice fusco radiatis.*

Body dark tawny, thinly clothed with tawny hairs, covered with gray bloom, which has a tawny tinge on the breast: head tawny; sides of the face without bristles; epistoma not prominent: eyes brassy, adorned with green and purple; fore part rather flat, its facets larger than those elsewhere: sucker tawny, clothed with tawny hairs; palpi tawny, beset with tawny bristles: feelers tawny, a little shorter than the face; third joint nearly linear, downy, very slightly rising on the upper side at the tip, which is truncated, full twice the length of the second joint; bristle black, tawny and rather thick at the base, rather more than twice the length of the third joint: abdomen obconical, tawny, gray at the base, black and tapering towards the tip, much longer than the chest: legs tawny, clothed with short black hairs; claws black: wings white, adorned near the tip with a large brown spot, which is darkest along the fore border, and sends forth nine rays from its paler part; it includes two distinct white dots, and along the border are others incomplete; it has a tawny tinge above the middle cross-vein, which is separated from the lower cross-vein by very little less than the length of the latter; both are perpendicular; wing-ribs tawny; veins black, tawny towards the base; poisers tawny. Length of the body 1½ line; of the wings 3 lines.

a. Florida. Presented by E. Doubleday, Esq.

TRYPETA Aira, n. s., fem. *Fulva cano tecta, abdominis apice nigro depresso, palpis antennis pedibusque fulvis, alis longis angustis albis apice fusco radiatis.*

Body tawny, thinly clothed with tawny hairs, thickly covered with hoary bloom, which is less prevalent on the head, and disappears beneath the mouth: head and chest beset with tawny bristles; sides of the face without bristles; epistoma very slightly prominent: eyes purplish black; fore part rather flat, its facets larger than those elsewhere: sucker and palpi tawny, clothed with tawny hairs: feelers tawny, a little shorter than the face; third joint conical, downy, about twice the length of the second; bristle black, slender, downy, about twice the length of the third joint: abdomen about twice the length of the chest, tapering from the base to the tip, where it is flat, black and shining: legs pale tawny, clothed with short black hairs; claws black: wings white, long and narrow; a large, irregular, dark brown spot on the fore border, near the tip of the wing, sending forth three rays to the hind border and an ob-

lique branch to the fore border, including two round spots, and more or less incompletely including four other spots; wing-ribs and veins pale yellow; lower cross-vein straight, separated by much less than its length from the middle cross-vein; poisers pale tawny. Length of the body 2 lines; of the wings 2½ lines.

a. Congo. Presented by Sir J. Richardson.

Group XIX. Acinia, *Desv. Essai Myod.* 775.

Trypeta corniculata, *Meig. Dipt.* v. 335, 34. *Loew, Germ. Zeit. Ent.* v. 373, 39, *pl.* 1, *f.* 31. *Boie, Ent. Zeit. Stett.* viii. 327, 20. Tephritis corniculata, *Fall. Ortal.* 8, 11. *Zett. Act. Holm.* 1819. Acinia Jaceæ, *Desv. Essai Myod.* 776, 1. A. corniculata, *Macq. Hist. Nat. Dipt.* ii. 469, 1. *Walk. Ent. Mag.* iii. 75, 1, *pl.* 1, *f.* 20.

a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. France.

Trypeta Bardanæ, *Meig. Dipt.* v. 349, 59. *Loew, Germ. Zeit. Ent.* v. 376, 41, *pl.* 2, *f.* 37. T. confusa, *Meig. Dipt.* v. 333, 37, *pl.* 50, *f*, 9. Trupanea Bardanæ, *Schrank. Faun. Boic.* iii. 2524. Acinia plantaris? *Desv. Essai Myod.* 778, 6. A. Heraclei, *Walk. Ent. Mag.* iii. 77, 4, *pl.* 1, *f.* 23. *Macq. Hist. Nat. Dipt.* ii. 470, 5?

a. England.
b. France.
c. ———? From Mr. Children's collection.

Trypeta Leontodontis, *Meig. Dipt.* v. 335, 35, *pl.* 50, *f.* 8. *Loew, Germ. Zeit. Ent.* v. 380, 45, *pl.* 2, *f.* 39. *Boie, Ent. Zeit. Stett.* viii. 327, 19. Musca Leontodontis, *Deg. Ins.* vi. 46, 17, *pl.* 2, *f.* 15—18. M. stellata, ? *Sulz. Ins.* 216, *pl.* 28, *f.* 12, *c. Fuessly, Schweiz. Ins.* 11, 25. *Panz. Faun. Germ:* 20, 23. M. parietina, *Fabr. Mant. Ins.* ii. 36, 96. *Sp. Ins.* ii. 450, 79. *Ent. Syst.* iv. 350, 154. M. Scabiosæ, *Fabr. Ent. Syst.* iv. 361, 200. Dacus Scabiosæ, *Fabr. Syst. Antl.* 278, 26. Trupanea Leontodontis, *Schrank, Faun. Boic.* iii. 2519. Tephritis Leontodontis, *Fall. Ortal.* 9, 13. *Zett. Ins. Lapp.* 745, 6? Musca cinereus, *Harr. Ex.* 75, *pl.* 21, *f.* 11. Trypeta confusa? *Meig. Dipt.* v. 337, 36, *pl.* 50, *f.* 9. Acinia claripennis? *Desv. Essai Myod.* 778, 7. A. Leontodontis, *Macq. Hist. Nat. Dipt.* ii. 469, 2. *Walk. Ent. Mag.* iii. 77, 5, *pl.* 1, *f.* 24.

a. England.
b. France.
c. South of France. Presented by the Entomological Club.

TRYPETA flavicauda, *Meig. Dipt.* v. 336, 36. Tephritis Pini, *Haliday, Ann. Nat. Hist.* 1839, 187, var.? T. Theora, *Newman, Ent. Mag.* i. 506. Acinia Pedicullariarum, *Desv. Essai Myod.* 776, 2. A. Jaceæ, *Desv. Essai Myod.* 776, 1. A. Arctii, *Desv. Essai Myod.* 777, 3. A. flavicauda, *Walk. Ent. Mag.* iii. 78, 7.

a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Aix-la-Chapelle. Presented by F. Walker, Esq.
e. ——? From Mr. Children's collection.

TRYPETA Absinthii, *Meig. Dipt.* v. 340, 42, *pl.* 50, *f.* 12. *Loew, Germ. Zeit. Ent.* v. 394, 57, *pl.* 2, *f.* 47. *Boie, Ent. Zeit. Stett.* 1847, viii. 326, 6. Musca cinereus, *Harris, Ex.* 75, *pl.* 21, *f.* 11. Tephritis Absinthii, *Fabr. Syst. Antl.* 322, 30. T. punctella, *Fall. Ortal.* 13, 21. T. Alethe, *Newman, Ent. Mag.* i. 506. Acinia Millefolii? *Desv. Essai Myod.* 775, 5. A. Absinthii, *Macq. Hist. Nat. Dipt.* ii. 470, 6. *Walk. Ent. Mag.* iii. 79, 8, *pl.* 1, *f.* 27.

a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Gothenberg. Presented by the Entomological Club.

TRYPETA elongatula, *Loew, Germ. Zeit. Ent.* v. 397, 60, *pl.* 2, *f.* 50. *Boie, Ent. Stett.* viii. 1847, 327, 7; ix. 1848, 81, 1.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

TRYPETA Pœnia, n. s., fem. *Cana, capite fulvo, abdominis segmento ultimo depresso ferrugineo basi apiceque nigro, palpis antennis pedibusque fulvis, alis albis fasciis duabus guttatis diffusis obliquis ornatis.*

Body thinly clothed with short tawny hairs, adorned with a hoary covering, which has a tawny hue on the disk of the chest: head tawny, with a white covering in front and on each side of the crown: head and chest beset with a few stout black bristles; sides of the face without bristles; epistoma prominent: sucker and palpi tawny, clothed with tawny hairs: eyes red; fore part flat, its facets larger than those elsewhere: feelers tawny, shorter than the face; third joint nearly conical, hardly longer than the second, slightly rising on the upper side of the tip, which is obliquely truncated; bristle black, bare, rather stout at the base, about thrice the length of the third joint: abdomen obconical, a little longer than the chest, last segment flat, ferruginous, shining, black at the base and at the

tip: legs tawny, clothed with short black hairs; claws black: wings white, irregularly adorned with brown, which is chiefly disposed in two oblique bands; these contain several dots; the first band is almost black on the fore border of the wing, and its dots are pale tawny; the second is broader and more irregular than the first; wing-ribs yellow; veins tawny, yellow at the base, black towards the tips; lower cross-vein very slightly curved outward; middle cross-vein slightly oblique, separated from the lower by rather more than its length; poisers tawny. Length of the body 1¾ line; of the wings 3½ lines.

a. New Holland.

TRYPETA Cassara, n. s., fem. *Nigra, cinereo tecta, capite fulvo albido trivittato, palpis antennis pedibusque fulvis, alis fuscis maculis limpidis confertim ornatis.*

Body black, tinged with gray, clothed with pale tawny hairs: head and chest beset with a few black bristles: head tawny, yellow in front, adorned above with three stripes of whitish lustre; sides of the face without bristles; epistoma prominent: eyes pitchy; facets of the fore part much larger than those elsewhere: sucker tawny, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, much shorter than the face; third joint conical, a little longer than the second, its breadth more than half its length; bristle black, slender, downy, more than thrice the length of the third joint: abdomen nearly spindle-shaped, a little longer and narrower than the chest; tube black, about one-fourth of the length of the preceding part: legs tawny, clothed with very short black hairs, beset with a few black bristles; claws black: wings brown, adorned with numerous colourless spots of various size, mostly round, near forty in number; wing-ribs tawny; veins black, tawny at the base; lower cross-vein slightly curved outward, nearly perpendicular, distant by rather less than its length from the middle cross-vein, which is upright and perpendicular; longitudinal veins nearly straight. Length of the body 1½ line; of the wings 3 lines.

a. Peru. From Mr. Children's collection.

Group XX. Nœeta, *Desv. Essai Myod.* 778.

TRYPETA guttularis, *Meig. Dipt.* v. 341, 44. *Loew, Germ. Zeit. Ent.* v. 404, 66, *pl.* 2, *f.* 56. Tephritis capitata, *Full. Suppl.* 14, 16, 17. Nœeta flavipes, *Desv. Essai Myod.* 778, 1. N. brunicosa, *Desv. Essai Myod.* 779, 2. N. guttularis, *Walk. Ent. Mag.* 80, 1, *pl.* 1, *f.* 28. Acinia guttularis, *Macq. Hist. Nat. Dipt.* ii. 471, 8.

a. England. Presented by F. Walker, Esq.

Trypeta guttata, *Meig. Dipt.* v. 350, 61. *Loew, Germ. Zeit. Ent.* v. 400, 62, *pl.* 2, *f.* 52. Tephritis guttata, *Fall. Ortal.* Trypeta gemmata, *Wied. Meig. Dipt.* v. 339, 40. *Boie, Ent. Zeit. Stett.* viii. 317, 21, 328, 28.

a. England.
b. ——— ? From Mr. Children's collection.
c. ——— ? Presented by the Entomological Club.

Trypeta reticulata, *Loew, Germ. Zeit. Ent.* v. 401, 63, *pl.* 2, *f.* 53. *Boie, Ent. Stett.* viii. 327, 22; ix. 83, 9. Trupana reticulata, *Schrank. Faun. Boic.* iii. 2522. Tephritis pupillata, *Fall. Ortal.* 11, 17. *Zett. Ins. Lapp.* 745, 8. Trypeta pupillata, *Meig. Dipt.* v. 341, 45. Acinia lineata, *Macq. Hist. Nat. Dipt.* ii. 472, 12. A. pupillata, *Macq. Hist. Nat. Dipt.* ii. 471, 9.

a. England. Presented by F. Walker, Esq.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. ——— ? From Mr. Children's collection.

Trypeta irrorata, *Meig. Dipt.* v. 340, 43. *Loew, Germ. Zeit. Ent.* v. 402, 64, *pl.* 2, *f.* 54. Tephritis irrorata, *Fall. Ortal.* 11, 15. Acinia irrorata, *Macq. Hist. Nat. Dipt.* ii. 471, 7.

a. France.

Trypeta Alvea, n. s., mas. *Fulva, capite antico flavo, abdomine fusco vitta dorsali fulva, palpis antennis pedibusque fulvis, alis latis fuscis maculis fulvis limpidisque ornatis.*

Body tawny: head beset with a few black bristles: head clothed with a few pale yellow hairs, its fore part pale yellow; face whitish yellow, its sides without bristles; epistoma not prominent: eyes dark red; fore part rather flat, its facets larger than those elsewhere: sucker pale tawny, pitchy beneath, clothed with pale yellow hairs; palpi pale tawny, beset with short black bristles: feelers pale tawny, about half the length of the face; third joint conical, hardly longer than the second; bristle black, slender, tawny for one-third of the length from the base, much more than half the length of the third joint: chest and breast clothed with tawny down: abdomen dark brown, linear, longer than the chest, having a narrow tawny stripe along the back and a broad ferruginous stripe beneath: legs tawny, clothed with short black hairs; claws black; foot-cushions yellow: wings broad, dark brown, with many indistinct tawny dots, paler and adorned with paler dots towards the hind border; a triangular colourless spot on the fore border at two-thirds of the length; the extreme tips are colourless, and there are two almost colourless marks on the hind border; wing-ribs dark tawny; veins black; lon-

gitudinal veins very slightly waving; lower cross-vein slightly curved outward, its lower end very near the hind border of the wing, its upper end separated by a little less than its length from the middle cross-vein, which is straight and slightly oblique; poisers tawny, with pitchy knobs. Length of the body 4 lines; of the wings 8 lines.

a. Australia. From the Rev. J. Wenham's collection.

TRYPETA Dertona, n. s., fem. *Fulva, abdominis segmento ultimo ferrugineo apice nigro, palpis fulvis, antennis flavis, pedibus fulvis, alis fuscis disco maculis fulvis margineque maculis limpidis ornatis.*

Head and chest beset with a few tawny bristles: head tawny, whitish about the eyelets; face broad, pale yellow, its sides without bristles; epistoma not prominent: eyes coppery red, slightly convex; all the facets rather small: sucker tawny, clothed with short tawny hairs; palpi tawny, beset with short black bristles: feelers yellow, very short, less than half the length of the face; third joint flat above, convex beneath, rounded at the tip, a little longer than the second; bristle black, slender, downy, tawny and stout at the base, near four times the length of the third joint: chest and breast dark tawny, clothed with short paler hairs: abdomen tawny, obconical, tapering towards the tip, longer than the chest; last segment ferruginous, shining, with a black tip: legs tawny, clothed with short black hairs; claws black: wings dark brown, adorned in the disk with many indistinct tawny dots, and also with some colourless dots along the border; a large triangular spot on the fore border at two-thirds of the length of the wing incloses a brown spot; a large irregular colourless spot near the base on the hind border; wing-ribs and veins pitchy, the latter pale tawny in the colourless parts of the wings; all the longitudinal veins slightly waving; lower cross-vein near the hind border, slightly curved outward, separated by rather less than its length from the middle cross-vein, which is oblique and very slightly curved outward; poisers tawny, with ferruginous knobs. Length of the body $3\frac{3}{4}$ lines; of the wings 7 lines.

a. ——— ?

TRYPETA Voneda, n. s., fem. *Cervina, abdomine piceo, palpis antennis pedibusque fulvis, alis limpidis amplis sexdecem maculatis basi fulvis.*

Body rather slender, thickly clothed with short tawny hairs: head and chest beset with long tawny bristles; a row of short tawny bristles behind the eyes; face whitish, with a few little black bristles on each side and towards the base; epistoma very slightly promi-

nent: eyes red, convex; fore part rather flat, its facets much larger than those elsewhere: sucker pale tawny, clothed with tawny hairs; palpi pale tawny, beset with short black bristles: feelers tawny, about half the length of the face; third joint conical, downy, a little longer than the second; bristle black, downy, slender, tawny at the base about thrice the length of the third joint: chest and breast fawn-colour: abdomen pitchy, spindle-shaped, shining, narrower than the chest and nearly twice its length, clothed with short tawny hairs: legs tawny; foot-cushions pale tawny; claws black: wings dark brown, tawny at the base, rather long and broad, adorned with about sixteen colourless spots of various size; four of those of the larger size are on the fore border; a smaller one is near the tip of the wing, which is also colourless; there are four along the hind border, and six in the disk of the wing; wing-ribs tawny; veins pitchy, tawny at the base; lower cross-vein very slightly curved outward, separated by rather more than its length from the middle cross-vein, which is very slightly curved outward; longitudinal veins straight; poisers tawny. Length of the body 2¾ lines; of the wings 5 lines.

a. Bahia.

TRYPETA Sarnia, n. s., fem. *Fulva, capite nigro maculato cyaneo ornato, thorace ferrugineo trivittato, scutello nigro bimaculato, terebra ferruginea nigro trivittata, palpis antennis pedibusque fulvis, femoribus nigro maculatis, alis fulvis, annulis radiis fasciisque variis.*

Body tawny, clothed with tawny hairs: head beset with long tawny and black bristles, its hind part fringed with short tawny and black bristles; two deep black spots on the sides of the crown, having between them at the base of the feelers a smaller black spot; head adorned with a black spot on each side beneath; face tinged with blue lustre, with a black spot on its disk; its sides without bristles; an oblique black spot adorned with blue reflections on each side of the epistoma, which is slightly prominent: eyes brassy green, spotted with red, slightly convex: facets of the fore part larger than those elsewhere: sucker tawny, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, a little shorter than the face; third joint conical, downy, slightly curved upward, rounded at the tip, longer than the second: chest adorned with three pale ferruginous stripes, beset with a few black bristles; scutcheon armed also with some tawny bristles, and having a black spot on each side: abdomen clothed with tawny hairs for more than one-third of the length from the base, tapering from the base to the tip, much longer than the chest, which it equals in breadth at the

base; its tube is ferruginous, shining, and composed of three segments; the first is obconical, pale ferruginous, with a black tip, clothed with short black hairs, slightly furrowed on each side; the second is dark ferruginous, linear, black towards the tip, shagreened beneath, very much shorter and narrower than the first; the third shorter and narrower than the second, and tapers to the tip, which is black: legs tawny, clothed with short tawny hairs; two black spots on each of the four hinder thighs; one black spot on each fore thigh; fore thighs armed with stout tawny and black bristles; hind shanks beset with tawny bristles; claws black: wings tawny, paler towards the hind borders, adorned with numerous colourless circles; those on the disk are few, but well defined, and have brown rings; those towards the hind border are more numerous, but indistinct; the disk has also two or three tawny circles brighter in colour than the rest of the wing, and is adorned with paler rings, and near the tip of each there is a black circle with a pale tawny rim; the fore border and the tip are colourless, the former between the base and the point, where it is armed with two black bristles, has four or five brown bands; beyond these there is a small pale tawny space interrupted by three brown bands, which are near together; beyond the latter the border of the wing is adorned with tawny rays, that proceed from the tawny disk, and have brown borders, those along the fore border are mostly triangular, at the tip they are narrower and linear, on the hind border their form is again changed, and they inclose colourless spots, these at first are elliptical, but become round and more distinct near the base; wing-ribs and veins tawny; lower cross-vein brown, a little oblique, curved outward in the middle part of the wing, separated by less than its length from the middle cross-vein, which is nearly perpendicular, and very slightly curved outward; poisers tawny. Length of the body 4½ lines; of the wings 7 lines.

a. ——— ?

TRYPETA Stella, n. s., mas. *Fulva, capite flavo, abdomine nigro basi fulvo, palpis flavis apice piceis, antennis pedibusque fulvis, alis fuscis quatuordecim maculatis basi et ad costam fulvis.*

Body clothed with pale yellow hairs and bristles: head pale yellow, with a row of long black bristles on each side of the crown, and a fringe of short pale yellow bristles across the hind part; sides of the face without bristles; epistoma not prominent; peristoma large: eyes black; fore part slightly convex; all the facets small: sucker and palpi pale yellow; tips of the palpi pitchy: feelers pale tawny, much shorter than the face; third joint conical, a little longer than the second; bristle black, slender, bare, about thrice the

length of the third joint: chest dark tawny: breast pale tawny: abdomen black, shining, linear, tawny at the base, longer and narrower than the chest: legs tawny; claws black, very short; foot-cushions very small: wings dark brown, somewhat tawny at the base and along two-thirds of the fore border, adorned with fourteen colourless spots, five of these are on the fore border, five on the hind border, one on the tip, and three on the disk; the first and second on the fore border are triangular, the third descends into the disk, the fourth and fifth are small and round; of those on the hind border the first, second and third are small and round, the fourth descends into the disk, the fifth is small and semicircular; the one at the tip forms a slender band; in the disk are four, the first and the third are longer than the second, which is between them, and near the hind border; wing-ribs tawny; veins black, tawny at the base and on the colourless parts; cross-veins tawny; lower cross-vein nearly perpendicular, hardly curved inward, distant about its length from the middle cross-vein, which is slightly oblique and a little curved inward; poisers pale tawny. Length of the body 1¼ line; of the wings 3 lines.

a. North Bengal. From Miss Campbell's collection.

Trypeta Cyana, n. s., fem. *Cervina, capite fulvo albido trivittato, abdominis segmento ultimo ferrugineo depresso basi apiceque nigro, palpis flavis, antennis pedibusque fulvis, femoribus piceo cinctis, alis fuscis maculis limpidis confertim ornatis.*

Body dark fawn-colour, thinly clothed with pale tawny hairs: head and chest beset with a few black bristles: head bright tawny, brown behind; three whitish stripes between the eyelets and the base of the feelers; sides of the face without bristles; epistoma prominent: eyes brassy red behind, purplish black in front; nearly all the facets very small: sucker tawny, jointed, bent, clothed with tawny hairs; palpi yellow, beset with black bristles: feelers tawny, a little shorter than the face; third joint conical, downy, a little longer than the second; bristle black, downy, tawny at the base, much more than twice the length of the third joint: abdomen obconical, much longer than the chest; last segment ferruginous, tapering, flat, shining, slightly curved upward, blackish at the base and at the tip: legs tawny, clothed with short tawny hairs; a pitchy band round each thigh; claws black: wings brown, adorned with numerous white dots of various size, those on the disk are mostly very small; there are a few of the largest along the border; between the white base of the wing and the brown part therein are several large incomplete spots; wing-ribs and veins tawny; veins darker towards the tips; cross-veins nearly perpendicular;

lower cross-vein very slightly curved upward, separated by rather less than its length from the middle cross-vein; poisers pale tawny. Length of the body 1¼ line; of the wings 3 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Group XXI.

TRYPETA Adatha, n. s. *Flavo-fusca, gracilis, capite antico abdomineque fulvis, hujus apice depresso, palpis antennis pedibusque fulvis, alis longis angustis fuscis basi postice limpidis maculis fulvis limpidisque seriatim guttatis.*

Body very slender: head and chest yellowish brown, dull, thinly clothed with short black hairs, beset with a few black bristles: head paler than the chest, tawny in front, and having a hoary tinge beneath; sides of the face without bristles; epistoma very slightly prominent: eyes crimson; fore part rather flat, its facets larger than those elsewhere: sucker and palpi pale tawny, clothed with paler hairs: feelers dark tawny, shorter than the face; third joint downy, conical, a little longer than the second; bristle black, downy, tawny at the base, about thrice the length of the third joint: chest adorned with four slender brown stripes: breast hoary: abdomen dark tawny, smooth, shining, thinly clothed with short black hairs along each side, tapering from the base to the tip, where it is flat: legs tawny, rather long and slender, thinly clothed with very short tawny hairs; claws black, small; fore thighs armed with a few tawny bristles: wings dark brown, very long and narrow, adorned with very numerous small tawny spots, which are disposed in rows along the areolets between the longitudinal veins; a row of colourless spots along the fore border, and another along the hind border, which is quite colourless towards the base; cross-veins nearly straight; lower cross-vein rather oblique, separated from the middle cross-vein by more than twice the length of the latter; wing-ribs and veins black; poisers tawny. Length of the body 2¼ lines; of the wings 6 lines.

a. Congo. Presented by Sir J. Richardson.

Group XXII.

TRYPETA Argus, n. s., mas. *Fulva, abdomine piceo vario, palpis antennis pedibusque fulvis, alis fuscis albo confertim guttatis fulvo maculatis basi cinereis ad costam convexis apice acuminatis limpidis fuscoque fasciatis.*

Head and chest tawny, clothed with tawny hairs, beset with some long tawny bristles: sides of the face without bristles; epistoma slightly prominent: eyes brassy, with green and purple; fore part nearly flat, its facets larger than those elsewhere: a row of short tawny bristles behind the eyes: sucker tawny, clothed with tawny hairs; palpi pale tawny, beset with black bristles: feelers dark tawny, shorter than the face; third joint conical, a little longer than the second; bristle black, downy, very slender, more than thrice the length of the third joint: abdomen elliptical, tawny, shining, a little shorter and narrower than the chest, somewhat pitchy on the first segment and on the hind borders of the following segments, and on each side, especially towards the tip, which is beset with black bristles: legs tawny, clothed with short black hairs, beset with a few tawny bristles; claws black: wings dark brown, elliptical, gray at the base, pointed at the tips; the fore border is very convex, and beneath its middle a stripe of very dark brown, adorned with irregular tawny spots, extends along near one-third of the length of the wing, and is terminated by a colourless spot; beyond this and near the tip of the wing are two colourless bands, widening to the hind border, but not reaching the fore border; the dark part of the wing about them is mostly tawny; the brown of the wing is paler along the hind border, and in the disk it is spangled with some hundreds of white dots; wing-ribs tawny; veins black, tawny towards the base; first and third longitudinal veins waving; lower cross-vein very slightly curved outward, separated by its length from the middle cross-vein, which is straight and slightly oblique; poisers tawny, with brown knobs. Length of the body 2½ lines; of the wings 6 lines.

a. Bahia. Presented by J. P. George Smith, Esq.

Group XXIII. Anomoia, *Walk. Ent. Mag.* iii. 80.

TRYPETA Elimia, n. s., fem. *Nigra, capite fulvo, palpis antennis pedibusque fulvis, tibiis posticis basi femoribusque posterioribus piceis, alis limpidis basi interrupti fuscis apice fusco fasciatis.*

Head and chest beset with some long black bristles: head tawny; each side of the crown with a row of black bristles: eyes

black; fore part rather flat, its facets a little larger than those elsewhere; sides of the face without bristles; epistoma not prominent; sucker tawny, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, a little shorter than the face; third joint conical, more than twice the length of the second; bristle black, slender, full twice the length of the third joint, tawny at the base: chest and abdomen black: abdomen elliptical, a little longer than the chest: legs tawny, clothed with short tawny hairs; tips of the shanks armed with black spines; hind shanks at the base and four hinder thighs pitchy; claws black: wings colourless, dark brown for near half the length from the base, with the exception of a short colourless stripe extending along the fore border from the base, of a narrow oblique white band beneath the above-mentioned stripe, of a large triangular spot on the fore border near the tip of the brown part, and of the hind border at the base; the colourless half is interrupted by a dark brown narrow band, which traverses the wing, and is parallel to the brown part, and after attaining the border proceeds to the tip of the wing; the outer branch of the angle which it forms has parallel to its inner side an oblique band, which does not extend above the second longitudinal vein; wing-ribs pitchy; veins black; lower cross-vein straight, nearly perpendicular, separated by less than its length from the middle cross-vein, which is longer than usual; poisers tawny. Length of the body $1\frac{3}{4}$ lines; of the wings 3 lines.

a. Philippine Islands. From Mr. Wood's collection.

Trypeta Tritea, n. s., fem. *Fusca, capite fulvo, facie thoracis maculis duabus scutelloque albis, palpis fulvis, antennis piceis, pedibus albis, tibiis posterioribus basi femoribusque fuscis; alis limpidis basi fuscis apice fusco fasciatis.*

Head and chest beset with long black bristles: head pale tawny; front of the crown yellow; face white, with the exception of two brown grooves for the reception of the feelers, the sides without bristles; epistoma not prominent: eyes bronze red; fore part rather flat, its facets larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, thickly beset with black bristles: feelers pitchy, shorter than the face; third joint linear, conical towards the tip, more than twice the length of the second joint; bristle black, slender, feathered with rather long hairs, tawny at the base, more than twice the length of the third joint: chest and breast dark brown, shining; a large white spot on each side of the chest; scutcheon white: abdomen elliptical, dark brown, clothed with short black hairs, not longer nor broader than the chest: legs white; thighs dark brown; four hinder shanks brown towards the

base; under-side of thighs beset with black bristles; tips of shanks armed with black spines; claws black: wings colourless, dark brown for one-fourth of the space from the base; from this brown a broad band of the same hue incloses a large triangular spot, and proceeds obliquely to the fore border, which it accompanies to the tip of the wing; above the latter it includes three or four very small colourless spots; after an interval below this band two narrow pale brown bands form an angle, which is nearly parallel to it; wing-ribs and veins tawny, the latter pitchy in the brown parts of the wing; lower cross-vein rather oblique, very slightly curved inward, separated by very much more than its length from the middle cross-vein, which is straight and slightly oblique; poisers dark tawny. Length of the body 2 lines; of the wings 4½ lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Group XXIV.

TRYPETA Doclea, n. s., fem. *Picea, capite antico thoracis lateribus palpis antennis pedibusque ferrugineis, alis limpidis fusco fasciatis et vittatis.*

Body pitchy: head clothed with a few black bristles, ferruginous in front and along the borders of the eyes; sides of the face without bristles; epistoma slightly prominent; peristoma very large: eyes pitchy; fore part reddish, nearly flat, its facets much larger than those elsewhere: sucker ferruginous, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint pitchy, downy, linear, conical at the tip, more than twice the length of the second joint: sides of the chest ferruginous: abdomen dull, finely shagreened, nearly elliptical, a little longer than the chest, tapering towards the tip: legs ferruginous, here and there slightly pitchy, clothed with short tawny hairs; claws black: wings colourless, adorned with a brown stripe, which extends from the base to just beyond the middle cross-vein, is nearly parallel to the fore border and at a short distance beneath it; a rather narrow brown stripe commences on the fore border at one-third of the length, and after a slight interruption extends to the tip, where it is widened; just before its interruption it sends forth a short brown band towards the disk; wing-ribs tawny; veins black, tawny at the base; longitudinal veins nearly straight; lower cross-vein much curved inward, separated by very much more than its length from the middle cross-vein, which is straight and very short. Length of the body 2½ lines; of the wings 4⅔ lines.

a. New Holland. Presented by the Entomological Club.

Group XXV. Euleia, *Walk. Ent. Mag.* iii. 81.

TRYPETA Lychnidis, *Loew, Germ. Zeit. Ent.* v. 347, 23, *pl.* 1, *f.* 22. Tephritis Lychnidis, *Fabr. Syst. Antl.* 322, 26. Musca Lychnidis, *Gmel. Ed. Syst. Nat.* v. 2858, 251. Tephritis Centaureæ, *Fall. Ortal.* 16, 26. Trypeta discoidea, *Meig. Dipt.* v. 323, 19, *pl.* 49, *f.* 14. Aciura discoidea, *Walk. Ent. Mag.* iii. 72, 2, *pl.* 1, *f.* 16. Urophora discoidea, *Macq. Hist. Nat. Dipt.* ii. 455, 1.

a. England.

TRYPETA Heraclei, *Loew, Germ. Zeit. Ent.* v. 323, 9, *pl.* 1, *f.* 7. Musca Heraclei, *Linn. Faun. Suec.* 461, 1877. *Syst. Nat.* 998, 125. *Gmel. Ed. Syst. Nat.* v. 2858, 125. Musca Onopordinis, *Fabr. Sp. Ins.* ii. 455, 104. *Mant. Ins.* ii. 353, 125. *Ent. Syst.* iv. 360, 198. *Gmel. Ed. Syst. Nat.* v. 2859, 252. *Stew. El.* ii. 263. M. Centaureæ, *Fabr. Ent. Syst.* iv. 360, 199. M. cæsio, *Harr. Exp.* 75, *pl.* 21, *f.* 8. Scatophaga Onopordinis, *Fabr. Syst. Antl.* 210, 31. Tephritis Centaureæ, *Fabr. Syst. Antl.* 322, 28. T. Onopordinis, *Fall. Ortal.* 15, 25. *Macq. Hist. Nat. Dipt.* ii. 464, 11. Trypeta Onopordinis, *Meig. Dipt.* v. 316? *pl.* 48, *f.* 24. T. Centaureæ, *Meig. Dipt.* v. 324, 20, *pl.* 49, *f.* 8. Euleia Onopordinis, *Walk. Ent. Mag.* iii. 82, 1, *pl.* 1, *f.* 30.

a. England.
b. France.
c. Sicily.
d. ———? From Mr. Children's collection.

TRYPETA flavescens, var.? *Meig. Dipt.* v. 316, 8, *pl.* 48, *f.* 23. *Wied. Zweif.* ii. 492, 25. *Loew, Germ. Zeit. Ent.* v. 322, 8. Musca flavescens, *Fabr. Ent. Syst. Suppl.* 565, 156, 157. Dacus marmoreus, *Fabr. Syst. Antl.* 276, 18. Tephritis flavescens, *Fabr. Syst. Antl.* 319, 15. *Macq. Hist. Nat. Dipt.* ii. 463, 10.

a. ———? From Mr. Children's collection.

TRYPETA Mutyca. *Fulva, abdomine rufo-fusco quadrivittato, palpis antennis pedibusque fulvis, alis fuscis decem-maculatis basi fulvis.*

Head and chest beset with some long black bristles, thinly clothed with very short black hairs: head tawny, armed behind the eyes with a row of short black bristles; sides of the face without bristles; epistoma not prominent: eyes black, composed of rather large facets, rather flat, especially in front, where the facets are

largest: sucker tawny, clothed with tawny hairs; palpi pale tawny, beset with black bristles: feelers tawny, much shorter than the face; third joint conical, a little longer than the second; bristle black, very slender, thinly feathered with long hairs, full thrice the length of the third joint: chest and breast pale tawny: abdomen oval, tawny, shining, a little shorter than the chest, adorned with four reddish brown bands, three of which are interrupted in the middle; the fourth is entire and occupies the tip: legs pale tawny, clothed with short tawny hairs and with a few short black bristles: claws black: wings dark brown, tawny at the base, rather broad, adorned with about ten colourless spots of various size; these join the fore border or the hind border, with the exception of three round dots on the disk; wing-ribs tawny; veins pitchy, tawny on the pale parts of the wings; longitudinal veins nearly straight, first and third beset with short black bristles; cross-veins straight, tawny, and having a narrow tawny stripe on each side; lower cross-vein very near the hind border, separated by its length from the middle cross-vein; poisers yellow. Length of the body 2¾ lines; of the wings 6 lines.

a, East India. From Archdeacon Clerk's collection.

TRYPETA AEX, n. s., mas. *Fulva, piceo varia, abdomine nigro fulvo fasciato, palpis antennis pedibusque fulvis, femoribus anterioribus piceis, alis fuscis limpido maculatis, ad apices limpidis fuscoque vittatis.*

Body tawny, clothed with short black hairs, pitchy towards the tip of the chest and on the base of the scutcheon: head and chest beset with some long black bristles, which form a row on each side of the crown, and there is a cross fringe of short black bristles behind the eyes; sides of the face without bristles; epistoma very slightly prominent: eyes black; fore part flat, composed of much larger facets than those elsewhere; sucker dark tawny, clothed with tawny hairs; palpi pale tawny, beset with black bristles: feelers pale tawny, as long as the face; third joint downy, slightly conical, rounded at the tip, nearly thrice the length of the second; bristle black, slender, clothed with very short hairs, slightly bent near the base, which is tawny, rather more than twice the length of the third joint: hind scutcheon black: abdomen black, elliptical, nearly cylindrical, very little narrower and shorter than the chest, clothed along each side with stout black hairs; first segment tawny; second tawny along each side and on the hind border; hind borders of the third and of the fourth with tawny bands, which dwindle and disappear towards each side: legs pale tawny, clothed with tawny hairs; thighs clothed beneath with black bristles; fore and middle thighs pitchy, with tawny tips; claws and hind thighs black: wings dark

brown, with some colourless intervals near the base; a large triangular colourless spot resting on the fore border beyond the middle of the wing; a little beyond this the whole of the wing is colourless to the tip, with the exception of two stripes, of which one runs along the fore border and the other forms a very small angle beneath it; the hind border is slightly gray for near half the length, and there is a colourless spot a little beyond; wing-ribs tawny; veins pitchy, tawny in the colourless parts of the wing; borders of cross-veins tawny; lower cross-vein slightly oblique, very slightly curved inward for half the length from the base, straight from thence to the tip, separated by much more than its length from the middle cross-vein, which is nearly perpendicular and very slightly curved inward; poisers tawny. Length of the body 3½ lines; of the wings 7 lines.

a. Brazil. From Mrs. Noel's collection.

TRYPETA Cronia, n. s., mas. *Fulva, abdominis vitta apiceque piceis, palpis antennis pedibusque fulvis, tibiis posticis obscurioribus, alis fuscis basi maculis apiceque limpidis, apice fusco bivittatis.*

Body pale tawny, clothed with short tawny hairs: head and chest beset with a few long black bristles, which form a row on each side of the crown, and there is a cross fringe of short black bristles behind the eyes: face pale tawny, its sides without bristles; epistoma very slightly prominent: eyes coppery red, varied with green; fore part flat, its facets very much larger than those elsewhere: sucker tawny, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, as long as the face; third joint downy, slightly conical, nearly thrice the length of the second; bristle black, slender, clothed with very short black hairs, rather more than twice the length of the third joint: abdomen elliptical, very little shorter and narrower than the chest, clothed along each side with stout black hairs; a pitchy band towards the tip, which is also pitchy: legs tawny, clothed with black and tawny hairs; claws black; fore thighs beset beneath with black bristles; hind shanks dark tawny, thickly clothed with black hairs: wings dark brown, colourless at the base, and adorned near it with some colourless spots; beyond the middle of the wing there is a large triangular colourless spot, whose tip extends into the middle of the disk; a little beyond this spot the whole of the tip of the wing is colourless, with the exception of two broad, curved, dark brown stripes, the upper runs along the fore border to the tip; hind border of the wing slightly gray from the base to the middle; a little beyond the latter there is a triangular colourless spot; wing-ribs and veins tawny; veins pitchy in the brown parts of the wing; borders of the cross-veins tawny; a small tawny dot a little below the fore border; and some

distance beyond, just above the middle cross-vein, there is a colourless dot; lower cross-vein very slightly oblique, and having an extremely obtuse inward angle; middle cross-vein nearly perpendicular, very slightly curved inward; poisers pale yellow. Length of the body 3½ lines; of the wings 7 lines.

a. Brazil. From Mrs. Noel's collection.

Trypeta Pornia, n. s., fem. *Fulva, facie albida, abdomine cyaneo basi fulvo, terebra fulva, palpis antennis pedibusque fulvis, alis limpidis fusco maculatis fasciatis et vittatis basi fulvis.*

Body tawny, beset with a few black bristles; a slight yellow protuberance above the base of the feelers; face whitish, its sides without bristles; epistoma slightly prominent: eyes pale red; fore part nearly flat, with a slight brassy tinge, its facets larger than those elsewhere: sucker and palpi tawny; sucker clothed with tawny hairs; palpi beset with black bristles: feelers tawny, a little shorter than the face; third joint flat above, convex beneath, rounded at the tip, much more than twice the length of the second joint; bristle black, very slender, feathered with eight or nine hairs of moderate length, much more than twice the length of the third joint: abdomen nearly oval, blue, shining, clothed with short black hairs, tawny at the base, lengthened towards the tip, whose tube is tawny and about one-fourth of the length of the preceding part: legs tawny, clothed with short black hairs; fore thighs beset beneath with a few black bristles; spines of the shanks and claws black: wings colourless, tawny at the base, adorned with very dark brown marks; of these are a small spot near the base, and beyond it a broad oblique stripe extending from the hind border to the fore border, and thence occupying more than half of the breadth and the whole of the tip of the wing; it sends forth two irregular, paler brown bands, which converge towards each other, and at the base nearly enclose a round colourless spot; there are also two complete round colourless spots in the brown part between the third and fourth longitudinal veins; between the two spots above there is a triangular colourless spot, whose base rests on the fore border of the wing; longitudinal veins nearly straight; wing-ribs tawny; veins black, tawny at the base and in the colourless parts along the fore border; lower cross-vein much less than its length distant from the middle cross-vein, nearly perpendicular, almost straight, its outward curve being hardly perceptible; middle cross-vein straight, perpendicular, a little less than half the length of the lower cross-vein; poisers tawny. Length of the body 2½ lines; of the wings 5½ lines.

a. Port Stephen, New Holland. Presented by the Earl of Derby.

TRYPETA Dinia, n. s., fem. *Fulva, capite flavo, abdomine piceo basi fulvo, terebra fulva brevi, palpis pedibusque fulvis, antennis flavis, alis fuscis maculis nonnullis limpidis ornatis.*

Body tawny: head and chest beset with a few stout black bristles: head yellow, with a fringe of short black bristles behind the eyes; sides of the face without bristles; epistoma hardly prominent; eyes bright red, convex; facets of the fore part a little larger than those elsewhere: sucker tawny, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers yellow, as long as the face; third joint linear, conical at the tip, about four times the length of the second; bristle black, very slender, downy, tawny at the base, full twice the length of the third joint: abdomen pitchy, nearly oval, tawny at the base, a little longer and narrower than the chest, clothed with short black hairs, beset with a few black bristles; tube tawny, not more than one-sixth of the length of the preceding part: legs tawny, clothed with short black hairs; shanks beset with black bristles; spines and claws black: wings dark brown, with some colourless intervals at the base; beyond these there is an oblong colourless spot in the middle of the breadth of the wing, it is truncated on the side towards the tip; beyond the middle of the wing are two triangular colourless spots, which rest on the fore border; the second descends more than the first into the disk of the wing, it points towards a narrow colourless spot at a short distance within the lower cross-vein; below this spot, a little nearer the base of the wing, and communicating with the hind border, there is another spot which is broader; on the hind border, very near the tip of the wing, are two large colourless spots, whose sides are slightly curved, the one nearest the tip is much broader than the other; wing-ribs tawny; veins black, tawny at the base and in the colourless part of the fore border; longitudinal veins very slightly waving; cross-veins nearly straight, perpendicular, adorned with tawny borders; lower cross-vein distant by rather more than its length from the middle cross-vein; poisers tawny. Length of the body 3 lines; of the wings 6 lines

a. Jamaica. From Mr. Gosse's collection.

Group XXVI.

TRYPETA Oborinia, n. s., mas. et fem. *Nigro-cyanea, capite ferrugineo, palpis antennisque fulvis, pedibus nigro-viridibus, tibiis apice genubus tarsisque ferrugineis, alis nigris longis angustis albo sex-maculatis.*

Body bluish black, rather dull: head and chest beset with black bristles: head ferruginous, tawny with a whitish covering in front, armed behind with rows of stout black bristles; sides of the face without bristles; epistoma hardly prominent: eyes brassy; fore part red, rather flat, its facets larger than those elsewhere: sucker tawny, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, nearly as long as the face; third joint linear, rounded at the tip, more than twice the length of the second joint; bristle black, slender, downy, nearly thrice the length of the third joint: chest and abdomen nearly linear, very thinly clothed with short tawny hairs: abdomen spindle-shaped, tapering and lengthened towards the tip, a little narrower than the chest and nearly twice its length: legs slender, greenish black; knees, feet, and tips of shanks ferruginous; foot-cushions pale tawny; claws black; fore thighs beset with black bristles: wings black, long and narrow, each adorned with six large white marks and with one white dot; one of the marks forms an oblique band across the wing near the base, the other five are triangular in shape, two rest on the fore border and three on the hind border, and their tips approach each other in the disk; the dot is a little nearer the tip in the middle of the breadth; wing-ribs and veins black, the latter tawny in the white parts of the wing; longitudinal veins straight; lower cross-vein very slightly curved inward along most of the length, straight towards the lower end, separated by less than half its length from the middle cross-vein, which is a little oblique and almost imperceptibly curved outward; poisers ferruginous. Length of the body 2—2¾ lines; of the wings 5 lines.

a. Congo. Presented by Sir J. Richardson.

Group XXVIII. Camptoneura, *Macq.*

TRYPETA picta, *Wied. Auss. Zweif.* ii. Musca picta, *Fabr. Ent. Syst.* iv. 355, 175. Dictya picta, *Fabr. Syst. Antl.* 330, 18. Tephritis conica, *Fabr. Syst. Antl.* 318, 10. Camptoneura, *Macq. Dipt. Exot.* ii. 3, 201, 1, *pl.* 27, *f.* 4.

a. North America. Presented by the Entomological Club.
b. Massachusetts. From Prof. Sheppard's collection.
c. ——— ?

Group XXIX. Ceratitis, *Macleay.*

TRYPETA capitata, *Wied. Anal. Ent.* 55, 124. *Auss. Zweif.* ii. 496, 30. Petalophora capitata, *Macq. Hist. Nat. Dipt.* ii. 454, 1. Ceratitis citriperda, *Macleay, Zool. Journ.* iv. 475, *pl.* 15. *Macq. Dipt. Exot.* ii. 3, 219, *pl.* 29, *f.* 10.
a. ———? From Mr. Children's collection.

TRYPETA Cosyra, n. s., fem. *Fulva, thorace vittis tribus obscurioribus, lateribus scutelloque nigris flavo radiatis, abdominis disco nigricante, antennis ferrugineis, palpis pedibusque flavis, alis fulvo fasciatis basi costaque fusco maculatis.*

Body pale tawny, beset with a few stout black bristles: head yellow in front and beneath; sides of the face without bristles; epistoma very slightly prominent: eyes red, convex; all the facets very small: sucker yellow, clothed with yellow hairs; palpi yellow, beset with black bristles: feelers pale ferruginous, shorter than the face; third joint rather large, linear above, slightly convex beneath, somewhat truncated at the tip, full thrice the length of the second joint: three dark tawny stripes on the chest; its sides and the scutcheon black, adorned with slender yellow rays: abdomen obconical, suddenly tapering towards the tip, not much longer than the chest; its disk somewhat blackish: legs yellow, beset with a few yellow bristles; feet darker; claws black: wings colourless, with several brown dots near the base and along the fore border, adorned also with some tawny marks; one of these is at the base; the second forms a band across the wing, becomes brown on the hind border, joins a stripe which proceeds along the fore border to the tip, and there is also brown; an oblong brown spot clouds the lower cross-vein; wing-ribs and veins tawny; middle cross-vein very oblique; lower cross-vein hardly curved inward, nearly upright, parted by much more than its length from the middle cross-vein, by twice its length from the tip, and by less than half its length from the lower border; poisers pale tawny. Length of the body 2 lines; of the wings 4 lines.

a. Congo. Presented by Sir J. Richardson.

Psila, *Meigen.*

Group I. Oblicia, *Desv. Essai Myod.* 620.

Psila fimetaria, *Meig. Dipt.* v. 356, 1. *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 177, 1. *Ins. Lapp.* 4,759, 1. Musca fimetaria, *Linn. Syst. Nat.* ii. 996. *Faun. Suec.* 1862. *Gmel. Ed. Syst. Nat.* i. 5, 2853, 106. *Fabr. Sp. Ins.* ii. 449, 75. *Ent. Syst.* iv. 346, 140. *Schrank, Ins. Austr.* 951. *Turt.* iii. 615. M. flava, *Schell. Gen. Mouch. tab.* 5. *Panz. Faun. Germ.* 20, 22. M. luteus, *Harr. Ex.* 116, *pl.* 34, *f.* 16. Volucella fimetaria, *Schrank, Faun. Boic.* iii. 2498. Scatophaga fimetaria, *Fabr. Syst. Antl.* 204, 5. *Fall. Opomyz.* 8, 1. Psilomyia fimetaria, *Latr. Regn. Anim. Macq. Hist. Nat. Dipt.* ii. 421, 1. Oblicia testacea, *Desv. Essai Myod.* 620, 1.

a. England.
b. Ukraine. Presented by Dr. Dowler.

Psila pallida, *Meig. Dipt.* v. 357, 2. *Macq. Hist. Nat. Dipt.* ii. 421, 1. Scatophaga pallida, *Fall. Opomyz.* 9, 2. *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 178, 3. *Ins. Lapp.* 4, 759, 3.

a. England. Presented by F. Walker, Esq.
b. ———?

Psila rufa, *Hoffsmansegg, Meig. Dipt.* v. 357, 3. Scatophaga rufa, *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 177, 2. *Ins. Lapp.* 4, 759, 2.

a. England. Presented by F. Walker, Esq.

Psila bicolor, *Meig. Dipt.* v. 358, 4, *pl.* 51, *f.* 13. *Macq. Hist. Nat. Dipt.* ii. 421, 3. Scatophaga pallida, var. *β*, *Fall. Dipt. Suec. Opomyz.* 9, 2. S. bicolor, *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 178, 4. *Ins. Lapp.* 4, 759, 4.

a. England. Presented by F. Walker, Esq.
b. ———?

Psila Rosæ, *Meig. Dipt.* v. 358, 6, *pl.* 51, *f.* 12. *Macq. Hist. Nat. Dipt.* ii. 421, 4. Musca Rosæ, *Fabr. Ent. Syst.* iv. 356, 181. Tephritis Rosæ, *Fabr. Syst. Antl.* 319, 12. Scatophaga Rosæ, *Fall. Opomyz.* 9, 3. *Zett. Mon. Scat. Ann. Soc. Ent. Fr.* iv. 181, 8. *Ins. Lapp.* 4, 760, 7.

a. England.
b. ———?

Loxocera, *Fabr.*

Loxocera ichneumonea, *Fabr. Syst. Antl.* 202. *Latr. Gen. Crust.* iv. 356. *Cons. Gen.* 444. *Fall. Opomyz.* 7, 1. *Meig. Dipt.* v. 363, 1. *Desv. Essai Myod.* 667, 2. *Macq. Hist. Nat. Dipt.* ii. 373, 1. *Zett. Ins. Lapp.* 757, 1. Musca ichneumonea, *Linn. Syst. Nat.* ii. 986. *Faun. Suec.* 1809. *Gmel. Ed. Syst. Nat.* i. 5, 2873, 42. *Schell. Gen. Mouch. tab.* 7. M. aristata, *Panz. Faun. Germ.* lxxiii. *f.* 24. Syrphus ichneumoneus, *Fabr. Sp. Ins.* ii. 429, 39. *Ent. Syst.* iv. 297, 70. Mulio ichneumonea, *Fabr. Ent. Syst. Suppl.* 559, 7. Nemotelus albisetus, *Schrank, Faun. Boic.* iii. 2406. Musca longeno, *Harr. Ex.* 152, *pl.* 45, *f.* 79.

a. England.
b. France.

Loxocera elongata, *Meig. Dipt.* v. 364, 2. *Macq. Hist. Nat. Dipt.* ii. 373, 2.

a. England.

Loxocera sylvatica, *Meig. Dipt.* v. 365, 3, *pl.* 51, *f.* 22. *Macq. Hist. Nat. Dipt.* ii. 374, 3.

a. England.

Loxocera paradoxa, *Latr. Desv. Essai Myod.* 666, 1.

a. France.

Chyliza, *Fallen.*

Chyliza scutellata. Sargus scutellatus, *Fabr. Ent. Syst. Suppl.* 567, 5. *Syst. Antl.* 257, 8. Musca leptogaster, *Panz. Faun. Germ.* 54, 19. Chyliza leptogaster, *Fall. Opomyz.* 7, 2. *Meig. Dipt.* v. 368, 1. *Macq. Hist. Nat. Dipt.* ii. 379, 1.

a. France.

Chyliza atriseta, *Meig. Dipt.* v. 369, 2, *pl.* 51, *f.* 26. *Macq. Hist. Nat. Dipt.* ii. 380, 3. Dasyna fuscipennis, *Desv. Essai Myod.* 668, 1.

a. England. Presented by F. Walker, Esq.
b. France.

Chyliza vittata, *Meig. Dipt.* v. 369, 3, *pl.* 51, *f.* 25. *Macq. Hist. Nat. Dipt.* ii. 380, 5.

a. France.

CHYLIZA annulipes, *Macq. Hist. Nat. Dipt.* ii. 380, 2.
a. England. Presented by F. Walker, Esq.

CHYLIZA metallica, *Barnston's MSS.*, mas. et fem. *Viridis, capite subtus facieque flavis, palpis antennisque ferrugineis, pedibus fulvis, femoribus et tibiis anticis femoribusque posticis cyaneo-viridibus, tarsis anticis nigris, alis limpidis.*

Male.—Body dark green, shining: head and chest beset with a few black bristles: crown of the head black; face and under-side pale yellow; sides of the face without bristles; epistoma not prominent: eyes red; fore part composed of larger facets than those elsewhere: sucker ferruginous, clothed with tawny hairs; palpi ferruginous, beset with black bristles: feelers ferruginous, partly pitchy, clothed with short black hairs, as long as the face; third joint nearly elliptical, as long as the second; bristle black, downy, longer than the third joint: abdomen spindle-shaped, a little longer than the chest: legs tawny, clothed with very short black hairs; fore thighs and fore shanks blue, tawny at the base; fore feet black, rather broad; hind thighs bluish green: wings colourless; wing-ribs and veins pale yellow; longitudinal veins straight; lower cross-vein straight, almost perpendicular, more than twice its length distant from the middle cross-vein; poisers tawny. *Fem.*—Abdomen ferruginous at the base beneath, much attenuated towards the tip, full twice the length of the chest. Length of the body 1½—2 lines; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

PROCHYLIZA, n. g.

Body narrow: head advanced in front and forming a protuberance on which the feelers are seated: feelers longer than the head; first joint short; second very long; third elliptical, about half the length of the second.

PROCHYLIZA xanthostoma, n. s., mas. *Nigra, nitens, capite subtus et facie flavis, abdomine subcompresso, palpis flavis, antennis piceis, pedibus fulvis, femoribus et tibiis anticis, tarsis posterioribus apice tarsisque anticis piceis, alis limpidis angustis.*

Body black, shining, thinly clothed with short black hairs: head and chest beset with a few black bristles: head narrow, yellow beneath; face yellow, with a single bristle on each side at the base; epistoma not prominent: eyes pitchy, convex; facets of the fore

part larger than those elsewhere: sucker and palpi yellow: feelers pitchy, clothed with short black hairs; bristle black, bare, a little longer than the third joint: abdomen nearly cylindrical, slightly compressed, a little deeper towards the tip, rather longer than the chest: legs tawny; fore feet, and tips of the fore thighs, of the fore shanks and of the four hinder feet pitchy; claws black: wings colourless, narrow; wing-ribs tawny; veins pitchy, tawny at the base; lower cross-vein straight, perpendicular, distant by less than its length from the hind border, by more than twice its length from the middle cross-vein, and by more than four times its length from the tip of the wing; poisers tawny, with yellow knobs. Length of the body 1¼ line; of the wings 2½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Lissa, *Meigen.*

Lissa dolium. Ocyptera dolium, *Fabr. Syst. Antl.* 315. Chyliza loxocerina, *Fall. Opomyz.* 6, 1. Lissa loxocerina, *Meig. Dipt.* v. 370, *pl.* 52, *f.* 1—4. *Macq. Hist. Nat. Dipt.* ii. 377, 1.
a. England.

Lissa varipes, n. s., mas. *Nigra, nitens, capite canescente facie alba, abdominis apice compresso, palpis antennisque fulvis, pedibus nigris ferrugineo piceo fulvoque variis.*

Body long, narrow, black, shining: head beset with a few black bristles, covered above and in front with hoary bloom; face white, with a single bristle on each side at the base; epistoma not prominent: eyes dark red, convex; facets of the fore part larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, as long as the face; third joint linear, rounded at the tip, paler and a little longer than the second; bristle black, slender, feathered with long hairs, longer than the third joint: abdomen nearly cylindrical, slightly deepening towards the tip, where it is compressed, narrower and very much longer than the chest, thinly clothed with very short hoary hairs: fore thighs tawny, beset beneath with a few long black bristles; fore shanks ferruginous, tawny at the base, armed with a few long black bristles; fore feet pitchy, ferruginous at the base; foot-cushions tawny; claws black; middle thighs black, tawny at the base; middle shanks and feet pitchy, first joint of the latter dark tawny; hind thighs black, pale tawny at the base; four hinder knees ferruginous; four hinder shanks beset with a few short black bristles; hind

shanks black, pitchy towards the base; hind feet ferruginous: wings slightly gray, clouded with brown at the tips and about the cross-veins; wing-ribs and veins tawny, the latter pitchy at the tips and in the darker parts of the wings; lower cross-vein straight, perpendicular, distant by more than half its length from the hind border, by more than its length from the middle cross-vein, and by more than four times its length from the tip of the wing; longitudinal veins straight; poisers tawny. Length of the body 3½ lines; of the wings 5 lines.

a. Ohio. Presented by the Entomological Club.

Lissa cornuta, *Barnston's MSS.*, mas. *Nigra, capite albo micante antice fulvo, palpis antennisque nigris, his basi pedibusque fulvis, femoribus nigris, alis subcinereis.*

Body black, shining, clothed with black hairs and bristles: head adorned with white reflections, tawny and prominent in front; sides of the face without bristles; epistoma not prominent: sucker black, clothed with tawny hairs: palpi black, beset with black bristles: feelers black, much shorter than the face; first and second joints tawny; third joint not longer than the second; bristle downy, thrice the length of the third joint: abdomen cylindrical, very slightly increasing in breadth towards the tip, narrower than the chest and almost twice its length: legs tawny, clothed with black hairs and bristles; thighs black, with tawny tips: wings slightly gray; wing-ribs tawny; veins pitchy, tawny towards the base; lower cross-vein straight; scales very small, whitish, with pale yellow borders; poisers pale tawny. Length of the body 2¼ lines; of the wings 3½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Lissa carbonaria, n. s., fem. *Atra, nitens, facie fulva, abdomine cinerascente, palpis, antennis pedibusque nigris, tibiis ferrugineis apice piceis, tarsis piceis, alis subcinereis, basi nervorumque marginibus fulvis.*

Body black, shining: head and chest beset with black bristles: face tawny, its sides without bristles; epistoma not prominent: eyes pitchy; facets of the fore part a little larger than those elsewhere: sucker black, pitchy and clothed with tawny hairs towards the tip; palpi black, beset with black bristles: feelers black, a little shorter than the face; third joint nearly linear, rounded at the tip, longer than the second joint; bristle hairy: abdomen spindle-shaped, covered with gray bloom, thinly clothed with black hairs,

much longer than the chest: legs black, clothed with short black hairs; shanks ferruginous, pitchy towards the tips, beset with black bristles; feet pitchy; foot-cushions tawny; claws black: wings slightly gray, tawny at the base and along the borders of the veins; wing-ribs and veins tawny; veins darker towards the tips; lower cross-vein pitchy, nearly straight and perpendicular, distant by less than its length from the hind border, by twice its length from the middle cross-vein, and by thrice its length from the tip of the wing; poisers tawny. Length of the body 2½ lines; of the wings 4 lines.

a. New York. Presented by E. Doubleday, Esq.

CALOBATA, *Fabr.*

CALOBATA petronella, *Fabr. Syst. Antl.* 262, 10. *Meig. Dipt.* v. 377, 1. *Macq. Hist. Nat. Dipt.* ii. 490, 2. *Zett. Ins. Lapp.* 4, 756, 2. Musca petronella, *Linn. Syst. Nat.* ii. 994. *Faun. Suec.* 1856. *Gmel. Ed. Syst. Nat.* i. 5, 2850, 96. *Fabr. Sp. Ins.* ii. 447, 57. *Ent. Syst.* iv. 336, 103. *Schell. Gen. Mouch. pl.* 6, *f.* 2. *Schrank, Ins. Austr.* 646. *Turt.* iii. 611. Calobata corrigiolata, *Fall. Opomyz.* 2, 3.

a. England.

CALOBATA Alesia, n. s., mas. et fem. *Nigra, nitens, capite abdominis* mari. *apice antennis pedibusque fulvis, tibiis obscurioribus, femoribus apice fusco cinctis, alis limpidis.*

Nearly allied to *C. petronella*, but the legs are rather shorter, and the bands on the thighs are narrower. Body black, shining: head and chest beset with a few black bristles: head prominent, tawny in front and beneath; sides of the face without bristles; epistoma not prominent: eyes red; fore part rather flat, its facets larger than those elsewhere: sucker tawny, clothed with pale hairs; palpi yellow: feelers bright tawny, much shorter than the face; third joint conical, longer than the second; bristle black, clothed with short hairs, stout at the base, about thrice the length of the third joint: abdomen linear, a little narrower than the chest and nearly twice its length; tip and appendages of the male tawny: legs tawny, rather long, clothed with very short tawny hairs; claws with black tips; fore thighs yellow; a brown band at the tip of each hind thigh; hind shanks of the male brown, of the female dark tawny: wings colourless, rather short; wing-ribs and veins tawny; fore border pitchy towards the tip; third and fourth longitudinal veins approaching each other in the latter part of their course, the fourth forming a very slight angle at its junction with

the lower cross-vein; middle cross-vein straight, slightly oblique; lower cross-vein nearly upright, very slightly curved outward, parted by much more than four times its length from the middle cross-vein and from the end of the fourth longitudinal vein, and by less than its length from the end of the fifth longitudinal vein; poisers pale tawny. Length of the body 3 lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CALOBATA cibaria, *Meig. Dipt.* 378, 2. *Macq. Hist. Nat. Dipt.* ii. 490, 1. *Zett. Ins. Lapp.* 4, 756, 1. Musca cibaria, *Linn. Syst. Nat.* ii. 995. *Faun. Succ.* 1859. *Gmel. Ed. Syst. Nat.* 1, 5, 2853, 102. *Schrank, Faun. Boic.* iii. 2497. Calobata cothurnata, *Fall. Geomyz.* 2, 2. C. solidaginis, *Desv. Essai Myod.* 7391. C. soror, *Desv. E. M.* 739, 2.

a. England.

CALOBATA cothurnata, *Meig. Dipt.* v. 379, 3, *pl.* 52, *f.* 18, 19. *Macq. Hist. Nat. Dipt.* ii. 490, 3. Musca cothurnata, *Panz. Faun. Germ.* 54, 20.

a. England.

CALOBATA sellata, *Meig. Dipt.* v. 380, 5. *Macq. Hist. Nat. Dipt.* ii. 490, 5.

a. England.

CALOBATA univitta, n. s., mas. *Ferruginea, capite pectoreque albo tectis, thorace nigro univittato, abdominis disco nigro, palpis antennis pedibusque fulvis, femoribus posticis apice fusco cinctis, alis subfulvis.*

Body ferruginous: head adorned with a white covering; sides of the face without bristles; epistoma not prominent: eyes pitchy, convex, all the facets very small; sucker pitchy, clothed with tawny hairs; palpi tawny: feelers tawny, much shorter than the face; third joint longer than the second, rounded at the tip; bristle black, feathered to the tip with very short hairs, more than twice the length of the third joint: chest adorned with a black stripe; breast with a whitish tinge: abdomen linear, cylindrical, narrower and much longer than the chest; disk black: legs tawny, rather long; feet darker towards the tips; claws black; a brown band very near the tip of each hind thigh: wings narrow, slightly tawny; wing-ribs tawny; veins pitchy, tawny towards the base; third and fourth longitudinal veins including a lengthened, spindle-shaped areolet, approaching rather near to each other at the tip of the wing; lower cross-vein very slightly curved outward,

nearly upright, parted by near four times its length from the middle cross-vein and from the tip of the wing, and by more than half its length from the hind border; poisers tawny. Length of the body 2½ lines; of the wings 4 lines.

a. New York. Presented by E. Doubleday, Esq.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CALOBATA ephippium, *Fabr. Syst. Antl.* 263, 13. *Fall. Geomyz.* 4, 5. *Meig. Dipt.* v. 380, 6. *Macq. Hist. Nat. Dipt.* ii. 491, 6. Musca ephippium, *Fabr. Ent. Syst.* iv. 338, 108. *Panz. Faun. Germ.* 27, 21. Neria Inulæ, *Desv. Essai Myod.* 738, 8.
a. England.

CALOBATA testacea, *Fabr. Syst. Antl.* 261, 5. *Wied. Auss. Zweif.* ii. 534, 4.
a. Brazil.

CALOBATA fulva, n. s., fem. *Fulva, facie flava, abdominis apice nigro, antennis pedibusque fulvis, tibiis ferrugineis, tarsis piceis, alis subfulvis.*

Nearly allied to *C. testacea*. Body tawny: head beset with a few black bristles; face yellow, its sides without bristles; epistoma not prominent: eyes pitchy, convex; facets of moderate and equal size: sucker and palpi black? feelers dark tawny, shorter than the face; third joint nearly linear, rounded at the tip, full thrice the length of the second; bristle black, feathered with hairs of moderate length, near thrice the length of the third joint: chest darker than the breast, which is partly clothed with tawny hairs: abdomen more than twice the length of the chest, dart-shaped towards the tip, which is black: legs tawny, very long; shanks ferruginous, thickly clothed with very short black hairs: feet pitchy, clothed beneath with golden down for more than half the length from the base: wings slightly tawny; wing-ribs and veins tawny; third longitudinal vein curved upward towards the tip, nearly joining the second on the border of the wing at the tip: lower cross-vein very slightly curved outward, more than four times its length from the middle cross-vein; poisers tawny. Length of the body 7 lines; of the wings 11 lines.

a. Para.

CALOBATA annulata (var.?), *Fabr. Syst. Antl.* 262, 7. *Wied. Auss. Zweif.* ii. 534, 5. Musca annulata, *Fabr. Ent. Syst.* iv. 338, 111.
a. Brazil.

CALOBATA albitarsis, *Wied. Zool. Mag.* iii. 19, 26. *Auss. Zweif.* ii. 544, 22.
a. Port Essington. From Mr. Gould's collection.

CALOBATA albimana, *Macq. Dipt. Exot.* ii. 3, 245, 3, *pl.* 33, *f.* 3.
a. Bengal.
b. Ohio. Presented by the Entomological Club.
c. Georgia. From Mr. Abbot's collection.
d. ——— ?

CALOBATA indica. Nerius indicus, *Desv. Essai Myod.* 737, 4.
a. Bengal.

CALOBATA tarsata, *Wied. Auss. Zweif.* ii. 541, 18. *Macq. Dipt. Exot.* ii. 3, 245, 4.
a. ——— ?

CALOBATA robusta, n. s., mas. *Cyanea cano tecta, capite fulvo, abdominis apice subtus suturisque ferrugineis, palpis piceis, antennis ferrugineis, pedibus piceis, femoribus anticis ferrugineis apice piceis, femoribus posterioribus apice flavo cinctis, femoribus posticis basi tarsisque anticis flavis, tibiis posterioribus fulvis, alis subcinereis fusco variis.*

Body blue, covered with a hoary bloom: head and chest beset with very few black bristles: head tawny, adorned with white lustre, bright blue on the crown, with the exception of a velvet-like stripe, which is ferruginous behind and black in front: sides of the face without bristles; epistoma blue, not prominent: eyes brassy red, convex; the facets of moderate and equal size: sucker pitchy, blue beneath, clothed with tawny hairs; palpi pitchy, beset with black bristles: feelers ferruginous, a little shorter than the face; second joint beset with a few short black bristles; third joint linear, rounded at the tip, full four times the length of the second; bristle black, slender, bare, tawny at the base, more than twice the length of the third joint: abdomen much narrower than the chest and nearly twice its length; sutures of the segments and under side at the tip ferruginous: fore legs clothed with black down; fore thighs ferruginous, with pitchy tips; fore shanks pitchy; fore feet pale yellow, clothed with whitish down, brown at the base on the under side, where they are clothed with short black hairs; four hinder thighs pitchy, adorned with a pale yellow band near the tip; four hinder shanks dark tawny; hind thighs pale yellow at the base; claws black: wings slightly gray, adorned with a large irregular brown spot, which is included between the longitudinal veins and the cross-veins; two small paler brown spots near the tips, which

are slightly tinged with brown; wing-ribs tawny; veins black, tawny at the base; third longitudinal vein slightly inclined upward after its junction with the lower cross-vein, approaching very near the second at the tip of the wing; lower cross-vein nearly straight, slightly oblique, distant by more than half its length from the hind border, by much more than thrice its length from the middle cross-vein, and by full five times its length from the tip of the wing; poisers ferruginous, with pitchy knobs. Length of the body 5 lines; of the wings 8 lines.

a. ——— ?

CALOBATA respondens, n. s., mas. *Cinereo-nigra, capite cyaneo albo micante, abdominis suturis ventreque piceis, antennis ferrugineis, pedibus piceis, femoribus antieis basi flavis, femoribus posticis flavo tricinctis, tibiis posticis ferrugineo fasciatis, tarsis anticis flavis basi piceis, alis limpidis fusco bifasciatis.*

Body black, slightly tinged with gray: head and chest beset with a few black bristles: head blue, shining, adorned with white lustre; crown velvet-like black, excepting the sides and a space about the eyelets, which is pitchy, and covered with hoary bloom; sides of the face without bristles; epistoma slightly prominent: eyes red; facets of the fore part a little larger than those elsewhere: sucker pitchy, clothed with tawny hairs: feelers ferruginous, shorter than the face; third joint conical, darker and a little longer than the second; bristle black, slender, bare, ferruginous at the base, full thrice the length of the third joint: abdomen cylindrical, not half the breadth of the chest, but more than twice its length; borders of the segments and under side pitchy: legs dark pitchy; fore thighs yellow at the base; fore feet yellow, pitchy at the base; hind thighs adorned with three yellow bands; hind shanks ferruginous from the middle till near the tips; claws black: wings colourless, adorned with two brown bands; one near the base, disappearing as it approaches the hind border; the second darker and more complete than the first, extending a little beyond the lower cross-vein; wing-ribs and veins tawny, the latter pitchy in the brown parts of the wing; lower cross-vein straight, nearly perpendicular, distant by more than thrice its length from the middle cross-vein; poisers yellow, with pitchy knobs. Length of the body 4½ lines; of the wings 8 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

——— Var. Mas. *Nigro-cyanea, canescens, palpis nigris, antennis ferrugineis, pedibus fuscis, femoribus posticis flavo trifasciatis, tarsis nigris, alis limpidis fusco trifasciatis.*

Body black: crown of the head beset with a few black bristles, its sides dark blue; sides of the face without bristles; epistoma prominent: eyes red, convex; all the facets small: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers ferruginous, shorter than the face; third joint conical, longer than the second; bristle black, bare, very slender, pale tawny at the base, about thrice the length of the third joint: chest and breast bluish black, with a slight hoary tinge; sides of the hind part of the chest clothed with a few long tawny hairs: abdomen black, linear, narrower than the chest and nearly twice its length: legs dark brown (middle legs wanting); feet black; hind thighs adorned with three yellow bands: wings colourless, adorned with three brown bands, the first at one-third from the base, the second broad, the third at the tip; wing-ribs tawny; veins black, tawny at the base; third longitudinal vein slightly curved upward, approaching near to the second at the tip of the wing; lower cross-vein near the tip of the wing, very slightly curved outward, more than four times its length from the middle cross-vein; poisers tawny, with pitchy knobs.

a. Congo. Presented by Sir J. Richardson.

CALOBATA Aloa, n. s. C. fasciata var.? Fem. *Nigra, facie ferruginea, abdomine cyaneo, palpis antennisque nigris, harum articulo 3° basi ferrugineo, pedibus nigris, tarsis albis, femoribus posterioribus fulvis, alis limpidis fusco trifasciatis.*

Body black: head beset above with a few black bristles, clothed beneath with short black hairs; sides of the face without bristles; epistoma not prominent; face ferruginous: eyes bare, dark red, convex; all the facets small: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers black, longer than the face; third joint slightly conical, rounded at the tip, ferruginous at the base beneath, more than thrice the length of the second joint; bristle bare, slender, much more than twice the length of the third joint: chest beset with a few black bristles: abdomen dark blue, somewhat lengthened, tapering towards the tip, thinly clothed with short black hairs: legs black, clothed with very short black hairs; second, third and fourth joints of the feet white; four hinder thighs dark tawny: wings colourless, adorned with three dark brown bands; the first narrow at one-third of the length from the base, the second very broad, the third at the tip, joining the se-

cond by the hind border, the colourless band between them is curved outward; wing-ribs and veins black; third longitudinal vein curved upward towards the tip, nearly joining the second on the border of the wing at the tip; lower cross-vein straight, very oblique, near the hind border, more than its length distant from the middle cross-vein; poisers black. Length of the body 4 lines; of the wings 7 lines.

a. Jamaica. From Mr. Gosse's collection.

CALOBATA Uzita, n. s., mas. *Cyanea, vertice thoracisque disco fulvo ornatis, abdominis apice subtus piceo, palpis nigris, antennis pedibusque fulvis, horum femoribus apice tibiisque nigris, tarsis nigris basi flavis, alis subfulvis apice subfuscis.*

Body dark blue, long, narrow: crown of the head and disk of the chest adorned with tawny bloom: head oblong; sides of the face without bristles; epistoma not prominent: eyes red, convex; all the facets very small: sucker and palpi black; sucker clothed with tawny hairs: feelers bright tawny; third joint conical, a little longer than the second; bristle black, slender, bare, much more than thrice the length of the third joint: chest spindle-shaped, slightly compressed: abdomen linear, cylindrical, somewhat pitchy beneath at the tip, narrower than the chest and nearly twice its length: four hinder legs wanting; fore legs tawny; shanks and tips of the thighs black; feet black, first and second joints pale yellow, tip of the second joint dark brown: wings narrow, with a very slight tawny tinge, brownish at the tips and at the end of the second longitudinal vein; wing-ribs and veins tawny; third and fourth longitudinal veins including a lengthened spindle-shaped areolet, approaching very near each other at the tip; lower cross-vein brown, slightly curved outward, parted by more than four times its length from the middle cross-vein and from the tip of the wing, and by rather more than half its length from the hind border; poisers tawny, with ferruginous knobs. Length of the body 6 lines; of the wings 9 lines.

a. ——— ?

CALOBATA Abana, n. s., mas. *Ferruginea, abdomine piceo, palpis antennisque ferrugineis, pedibus fulvis, femoribus posterioribus flavo trifasciatis, pedibus anticis tarsisque fuscis, alis subcinereis.*

Body dull ferruginous: head beset with very few bristles; sides of the face without bristles; epistoma not prominent: eyes red, convex; all the facets small: sucker and palpi dull ferruginous; sucker large, tawny at the base, clothed with a few tawny

hairs: feelers ferruginous, much shorter than the face; third joint nearly linear, rounded at the tip, full twice the length of the second; bristle downy, very slender, near thrice the length of the third joint: chest spindle-shaped: breast with a slight hoary tinge: abdomen pitchy, linear, cylindrical, much longer and narrower than the chest: legs dull tawny, long, slender; four hinder thighs adorned with three indistinct yellow bands; feet and fore legs brown: wings pale gray; wing-ribs and veins tawny; third and fourth longitudinal veins including a spindle-shaped areolet, approaching near to each other at the tip; lower cross-vein nearly straight, slightly oblique, parted by more than thrice its length from the middle cross-vein and from the tip of the wing, and by less than half its length from the hind border; poisers tawny. Length of the body 4 lines; of the wings 8 lines.

a. ——— ?

CALOBATA erythrocephala, *Fabr. Syst. Antl.* 260, 1. *Wied. Auss. Zweif.* ii. 532, 1.

a. Para. Presented by J. P. George Smith, Esq.
b. Mexico. From Mr. Argent's collection.
c. Brazil.

CALOBATA apicalis (n. g.?), n. s., fem. *Fusca, capite ferrugineo subtus flavo, thorace flavo quadrivittato, abdomine piceo-flavo, palpis piceis, antennis nigris, seta flava basi apiceque picea, pedibus fulvis, femoribus tibiisque apice tarsisque piceis, alis subfuscis ad costam obscurioribus.*

Body brown, slender: head and chest beset with some black bristles: head ferruginous above, yellow beneath; crown with a broad pitchy stripe, adorned with white lustre; sides of the face not bristly; epistoma not prominent: eyes red, oblong; the facets rather large: sucker pale tawny, pitchy at the tip; palpi pitchy: feelers black, shorter than the head; first and second joints very short; third joint conical, much longer than the first and the second; bristle slender, pale yellow, clothed with very short hairs along the whole length, pitchy at the base and at the tip, proceeding from the tip of the third joint and nearly thrice its length: chest adorned with two yellow stripes on the back and with a broad yellow stripe on each side: abdomen dark tawny, partly pitchy, nearly linear, pointed at the tip, longer and a little narrower than the chest: legs dark tawny, rather long; thighs rather broad, especially the hind pair; feet and tips of the thighs and of the shanks pitchy; claws black; foot-cushions pale tawny: wings pale brown, dark brown along the fore borders; wing-ribs yellow; veins pitchy,

tawny at the base; longitudinal veins straight, with the exception of the fourth, which curves upward and at the tip approaches the third vein; middle cross-vein short, straight, nearly upright; lower cross-vein a little oblique, slightly curved outward, parted by more than twice its length from the middle cross-vein, by more than four times its length from the tip, and by more than half its length from the hind border; poisers and scales pale yellow, the latter small. Length of the body 3 lines; of the wings 5 lines. Distinguished from other species by the insertion of the feeler-bristle.

a. West Africa. Presented by W. Raddon, Esq.

Micropeza, *Meigen*.

Micropeza lateralis, *Meig. Dipt.* v. 383, 1, *pl.* 53, *f.* 5. *Macq. Hist. Nat. Dipt.* ii. 492, 2.

a. England.

Micropeza corrigiolata, *Meig. Dipt.* v. 384, 2, *pl.* 53, *f.* 6. *Macq. Hist. Nat. Dipt.* ii. 492, 1. Musca corrigiolata, *Linn. Syst. Nat.* ii. 995. *Fabr. Sp. Ins.* ii. 447, 59. *Ent. Syst.* iv. 339. *Gmel. Ed. Syst. Nat.* i. 5, 2852, 100. *Schrank, Ins. Austr.* 949. *Schell. Gen. Mouch. pl.* 6, *f.* 1. M. filiformis, *Fabr. Ent. Syst.* iv. 337, 105. M. pedo, *Harr. Ex.* 115, *pl.* 34, *f.* 16. Calobata corrigiolata, *Fabr. Syst. Antl.* 263, 15. C. filiformis, *Fabr. Syst. Antl.* 263, 14. *Fall. Opomyz.* 3, 4. *Latr. Gen. Crust.* iv. 352. Rhagio corrigiolata *Schrank, Faun. Boic.* iii. 2400. Phantasma filiformis, *Desv. Essai Myod.* 740, 1.

a. England.

b. France.

Micropeza producta, n. s., mas. *Ferruginea, capite subtus flavo, thorace subcompresso, abdomine apice piceo, palpis flavis, antennis nigris, pedibus fulvis, femoribus tibiisque apice tarsisque piceis, alis limpidis.*

Body bright ferruginous, very slender: head and chest beset with a few black bristles: head lengthened in front, yellow beneath; sides of the face without bristles: eyes pitchy: sucker and palpi yellow: feelers black; third joint nearly round, much longer than the second; bristle black, slender, bare, more than twice the length of the third joint: chest slightly compressed: abdomen linear, cylindrical, a little narrower than the chest and nearly twice its length, pitchy above towards the tip, tawny beneath and at the tip: legs tawny, long, slender; feet and tips of the thighs and of the

shanks pitchy: wings colourless, short, very narrow; wing-ribs and veins yellow; fourth and fifth longitutinal veins united near the tip of the wing; lower cross-vein straight, slightly oblique, parted by more than five times its length from the middle cross-vein and from the tip of the wing, and by rather less than its length from the hind border; poisers tawny. Length of the body 2½ lines; of the wings 3 lines.

a. Georgia. From Mr. Abbot's collection.

Group Cardiacephala, *Macq. Dipt. Exot.*

MICROPEZA cephalotes, n. s. *Ferruginea, capite nigro, palpis antennisque piceis, pedibus ferrugineis, femoribus posticis coxisque fulvis, tarsis piceis, posticis basi flavis, alis subcinereis fusco bicinctis.*

Body pale ferruginous: head and chest beset with a few black bristles: head black, nearly oval, thinly clothed with short black hairs, advanced in front; sides of the face without bristles; epistoma slightly prominent: eyes small, pitchy; facets of the fore part larger than those elsewhere: sucker ferruginous, clothed with tawny hairs; palpi pitchy: feelers pitchy, as long as the face; third joint conical, more than thrice the length of the second joint; bristle black, slender, downy, tawny at the base, much more than twice the length of the second joint: chest long, tapering towards the neck, where it is armed with two protuberances: abdomen narrower than the chest: legs ferruginous, slender, very long; hips and hind thighs tawny; feet pitchy; claws black; foot-cushions yellow; first joint of the hind feet pale yellow: wings long, narrow, slightly gray, adorned with two broad pale brown bands, the first near the base, the second broader and darker than the first, and extending a little beyond the lower cross-vein; wing-ribs tawny; veins pitchy, tawny at the base; third longitudinal vein nearly straight till half the space between its junction with the lower cross-vein and the tip of the wing, thence inclined upward and terminating very near the second vein, which is slightly inclined downwards towards it; lower cross-vein perpendicular, nearly straight, distant by less than its length from the hind border, by full four times its length from the middle cross-vein, and by full five times its length from the tip of the wing; poisers tawny. Length of the body 4½ lines; of the wings 7 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Longina, *Wiedemann.*

Longina Wiedemanni, *Perty, Del. Anim. Articul.* 188, *pl.* 37, *f.* 11.
a. Brazil. From Mr. Walker's collection.

Nerius, *Wiedemann.*

Nerius fuscus, *Wied. Anal. Entom.* 15, *f.* 1. *Auss. Zweif.* ii. 550, 2, *pl.* 10, *f.* 2.
a. Brazil. Presented by J. P. George Smith, Esq.

Nerius fuscipennis, *Macq. Dipt. Exot.* ii. 3, 241, 1, *pl.* 325, *f.* 5.
a. Philippine Islands. From Mr. Wood's collection.
b. Philippine Islands. From Mr. Wood's collection.

Nerius rubescens, *Macq. Dipt. Exot.* ii. 3, 242, 2, *pl.* 32, *f.* 6.
a. Madras. Presented by Walter Elliot, Esq.
b. Bengal.

Ulidia, *Meigen.*

Ulidia demandata, *Meig. Dipt.* v. 386, 1, *pl.* 53, *f.* 12. *Macq. Hist. Nat. Dipt.* ii. 504, 1. Musca demandata, *Fabr. Ent. Syst. Suppl.* 564. Tephritis demandata, *Fabr. Syst. Antl.* 324, 37. Chrysomyza splendida, *Fall. Scenop.* 4, 1.
a. England. Presented by F. Walker, Esq.

Ulidia melanopsis, n. s., fem. *Viridis, nitens, capite ferrugineo, facie alba antice nigra, abdominis lateribus æneis, palpis nigris, antennis pedibusque fulvis, femoribus piceo unimaculatis, tarsis anticis flavis apice piceis, alis albidis.*

Body very bright green, smooth, shining: head and chest beset with a few black bristles: head ferruginous; face whitish, black in front; its sides without bristles; epistoma not prominent: eyes pitchy, convex: sucker and palpi black: feelers tawny: abdomen oval, brassy on each side, a little longer than the chest: oviduct short, ferruginous: legs bright tawney; a pitchy spot on each thigh; claws black; fore feet pale yellow, pitchy towards the tips: wings whitish; wing-ribs and veins pale yellow; longitudinal veins straight, with the exception of the fifth, which is much curved upward after its junction with the lower cross vein, and is united with the fourth

before the tip of the wing; lower cross veins straight, oblique, parted by more than twice its length from the middle cross vein, by more than thrice its length from the tip of the wing, and by half its length from the hind border; poisers tawny. Length of the body 2 lines; of the wings 4 lines.

a. North Bengal. From Miss Campbell's collection.

ULIDIA smaragdi, n. s., fem. *Viridis, capite nigro, abdomine cyaneo-purpureo, antennis ferrugineis, palpis pedibusque nigris, genubus tibiisque posterioribus ferrugineis, tarsis posterioribus fulvis apice piceis, tarsis anticis basi albis, alis albidis.*

Head and chest beset with a few black bristles: head black; sides of the face without bristles; epistoma not prominent: eyes bright red, convex; all the facets very small: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers ferruginous, shorter than the face; third joint slightly tapering from the base to the tip, more than twice the length of the second; bristle black, slender, bare, pale yellow towards the base, about twice the length of the third joint: chest green, not shining: abdomen bluish-purple, shining, oval, a little longer than the chest; penultimate segment bright green: oviduct pitchy, short: legs black; fore feet white at the base; four hinder knees and shanks ferruginous; four hinder feet tawny with pitchy tips: wings whitish; wing-ribs and veins tawny; lower cross vein with two very slight curves (the lower outward, the upper inward) parted by more than twice its length from the middle cross-vein, by more than thrice its length from the tip of the wing, and by less than half its length from the hind border; fifth longitudinal vein much curved upward after the junction of the lower cross-vein, approaching very near the fourth at the tip of the wing; scales small, white; poisers tawny. Length of the body 2 lines; of the wings 4 lines.

a. ———? From Mr. Children's collection.

ULIDIA stigma, *Wied. Auss. Zweif.* ii. 665, 1. Musca stigma, *Fabr. Suppl.* 563, 72. *Syst. Antl.* 303, 96. Dacus obtusus, *Fabr. Syst. Antl.* 278, 30.

a. ———?

DIOPSIS, *Linnæus.*

DIOPSIS pallida, *Westw. Linn. Trans.* xvii. 296, 3, *pl.* 9, *f.* 3.

a. ———?

Diopsis indica, *Westw. Linn. Trans.* xvii. 299, 7, *pl.* 9. *f.* 6. D. Ichneumonea, *Donov. Ins. Ind. pl. ult. Rees' Encycl.* xi. *pl.* 2. *f.* 13.
a. East India. From Archdeacon Clerk's collection.
b. ———? From Mr. Children's collection.

Diopsis assimilis, *Westw. Linn. Trans.* xvii. 300, 8, *pl.* 9, *f.* 7, 8.
a. ———? From Mr. Children's collection.
b. ———?

Diopsis fasciata, *G. R. Gray, Griff. Trans. Anim. Kingd.* 34, 773, *pl.* 125, *f.* 3. *Westw. Linn. Trans.* xvii. 304, 13, *pl.* 9, *f.* 12, 13,
a. Sierra Leone. Presented by the Rev. D. F. Morgan.
b. ———?

Diopsis thoracica, *Westw. Linn. Trans.* xvii. 306, 16, *pl.* 9, *f.* 15. D. Servillei, *Macq. Dipt. Exot.* ii. 3, 238, 1, *pl.* 32, *f.* 2.
a. Sierra Leone. Presented by the Rev. D. F. Morgan.
b. West Africa. From Mr. Argent's collection.

Diopsis Dalmanni, *Weid. Auss. Zweif.* ii, 560, 4, *pl.* 10*a*, *f.* 4. *Westw. Linn. Trans.* xvii. 309, 19, *pl.* 19, *f.* 17.
a. Java. From Mr. Westwood's collection.

Diopsis Sykesii, *G. R. Gray, Westw. Linn. Trans.* xvii. 310, 20, *pl.* 9, *f.* 18, 19.
a. East India. From Mr. Birch's collection.

Diopsis subnotata, *Westw. Orient. Ent. pl.* 18, *f.* 2.
a. Philippine Islands. From Mr. Wood's collection.

Diopsis Trentepohlii, *Westermann, Westw. Linn. Trans.* xvii. 546, 25, *pl.* 28, *f.* 6.
a. ———? Presented by the Rev. D. F. Morgan.

Diopsis Hearsceanus, *Westw. Proc. Ent. Soc.*
a. North Bengal. From Miss Campbell's collection.

Platystoma, *Latreille.*

Platystoma umbrarum, *Meig. Dipt.* v. 391, 1, *pl.* 53, *f.* 22. *Macq. Hist. Nat. Dipt.* ii. 444, 1. Musca umbrarum, *Fabr. Sp. Ins.* ii. 450, 80. *Ent. Syst.* iv. 350, 157. M. fulviventris, *Gmel. Ed. Syst. Nat.* v. 2862, 298. *Schrank, Ins. Austr.* 953. Dictya umbrarum, *Fabr. Syst. Antl.* 325, 1. Hesyquillia lugubris, *Desv. Essai. Myod.* 709, 1.
a. France.

PLATYSTOMA seminationis. *Latr. Gen. Crust.* iv. 354. *Cons. Gen.* 444. *Meig. Dipt.* v. 392, 2. *Macq. Hist. Nat. Dipt.* ii. 444, 3. Musca seminationis, *Linn. Faun. Suec.* 1874. *Fabr. Sp. Ins.* ii. 452, 90. *Ent. Syst.* iv. 355, 174. *Gmel. Ed. Syst. Nat.* i. 5, 2857, 246. M. nœvosus, *Harr. Ex.* 75, *pl.* 21, *f.* 10. Dictya seminationis, *Fabr. Syst. Antl.* 329, 16. Trupanea seminationis, *Schrank, Faun. Boic.* iii. 2516. Hesyquillia seminationis, *Desv. Ess. Myod.* 709, 2.

a. England.
b. Aix-la-Chapelle. Presented by F. Walker, Esq.
c. France.

PLATYSTOMA stictica, *Wied. Auss. Zweif.* ii. 569, 3. Dictya stictica, *Fabr. Syst. Antl.* 327, 9.

a. Brazil. From Mrs. Noel's collection.
b. ——— ? From Mr. Children's collection.

PLATYSTOMA maculipennis, *Guérin, Voy. de la Coquille*, 2, 2. *Macq. Hist. Nat. Dipt.* ii. 444, 3.

a. Australia. From the Rev. J. Wenham's collection.

PLATYSTOMA australis, n. s. *Rufo-fusca, capite flavo vittis duabus fuscis ornato, thorace vittis quatuor canis duabusque nigris ornato, abdomine nigro fusco, palpis nigris, antennis ferrugineis, pedibus piceis, tibiis fulvis, tarsis nigris basi albis, alis limpidis fusco maculatis fasciatis et vittatis.*

Head pale yellow, adorned with broad deep brown stripes between the eyelets and the base of the feelers, and having a short brown stripe on each side towards the epistoma: eyes dark red; fore part rather flat, its facets a little larger than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers ferruginous, about half the length of the face, their grooves pitchy; third joint nearly linear, conical at the tip, about four times the length of the second; bristle black, bare, tawny towards the base, near thrice the length of the third joint: chest pale reddish brown, adorned with two regular black stripes, and with four irregular hoary stripes: abdomen obconical, dark brown or black, dull, clothed with white hairs, not longer than the chest, hind borders of the segments hoary: legs pitchy; shanks dark tawny with pitchy tips; feet black, white at the base: wings colourless, adorned with many small brown spots, which are chiefly along the fore border and the hind border; a blackish-brown band extends across the middle of the wing and becomes narrower and paler as it approaches the hind border; near the tip there is another brown band of equal breadth, and a little beyond the latter a brown irregular stripe runs

along the fore border to the tip of the wing; wing-ribs and veins black; lower cross-vein nearly straight: scales dingy white; poisers tawny. Length of the body 4 lines; of the wings 9 lines.

a. New Holland. From Mr. Lambert's collection.

NOTACANTHINA, *Macq.*

NOTACANTHINA magnifica, n. s., mas. et fem. *Fulva, capite ferrugineo, abdomine cyaneo-purpureo, palpis fulvis apice nigris, antennis nigris basi ferrugineis, pedibus nigris, tarsis fulvis, alis subnigris maculis limpidis variis confertim ornatis.*

Head ferruginous, very prominent in front; sides of the face without bristles; epistoma prominent. eyes pale red, with a brassy tinge; fore part slightly convex, its facets a little larger than those elsewhere: sucker ferruginous, large, clothed with tawny hairs; palpi tawny with black tips, beset with black spines: feelers black, shorter than the face; first and second joints ferruginous; third conical, not longer than the second: bristle feathered to the tip with short hairs, much more than four times the length of the third joint: chest and breast tawny, the former clothed with short tawny hairs: scutcheon armed with spines, which terminate in bristles: abdomen dark purple mingled with blue, sometimes almost black, shorter but hardly broader than the chest, its length hardly exceeding its breadth, clothed with short black hairs, and towards the base with short tawny hairs: legs black; feet tawny, black towards the tips; claws black: wings blackish, somewhat paler along the hind borders, adorned with numerous colourless dots, various in shape and size, and having a tendency to form bands towards the tips of the wings; wing-ribs ferruginous; veins black; scales short, tawny; poisers black. Length of the body 5—7 lines; of the wings 12—16 lines.

a. Congo. Presented by Sir J. Richardson

Group Dichromyia, *Desv. Ess. Myod.* 707.

PHASIAMYA, n. g.

Body broad, thick: head very large and with a cross-ridge between the face and the epistoma; peristoma large: feelers much shorter than the face; bristle feathered on both sides with long hairs: scutcheon large, prominent, semicircular: wings convex along the fore border, especially near the base; the three basal cross-veins at two-fifths of the length of the wing from the base, the lower one

nearly perpendicular, forming a very slight inward angle with the middle one, a little shorter than the upper one, which is oblique, and forms rather more than a right angle with the middle one; the latter is oblique and very short; lower cross-vein much covered outward, parted by more than its length from the middle cross-vein, by much more than its length from the tip of the wing, and by about one-fourth of its length from the hind border; middle cross-vein short, straight, slightly oblique; scales very small.

PHASIAMYA metallica, n. s., fem. *Æneo-viridis, abdominis basi cyaneo cupreoque vario, palpis antennisque fulvis, his basi nigris, pedibus fulvis, femoribus piceis, tarsis flavis, alis subcinereis costa fulvis apice subfuscis vittaque limpida ornatis.*

Body brassy-green, thickly clothed with very short black hairs: head tawny, beset with a few black bristles, black about the region of the eyelets and along the sides of the face, which are without bristles; epistoma prominent: eyes red; fore part slightly convex; its facets larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, partly black and clothed with very short black hairs at the base; third joint linear, rounded at the tip, more than twice the length of the second; bristle slender, more than twice the length of the third joint: abdomen obconical, a little longer than the chest, tinged with blue and copper colour towards the base: legs tawny, thickly clothed with short black hairs; thighs, except their tips and hips, pitchy; feet pale yellow, with pitchy tips; claws black; foot-cushions tawny: wings slightly gray, tawny along the fore border, pale brown towards the tips, when there is a colourless band just beyond the lower cross-vein, on the lower part of which the brown tinge is darker than elsewhere; wing-ribs and veins tawny, the latter pitchy in some parts; primary longitudinal veins beset with short black bristles; poisers and scales tawny. Length of the body 3 lines; of the wings 5 lines.

a. ——— ?

ROPALOMERA? *Wiedemann.*

ROPALOMERA? rufipes, n. s., fem. *Nigra, capite nigro-cyaneo, abdomine clavato, antennis fulvis, pedibus rufis, tarsis piceis, femoribus posticis crassis piceo cinctis subtus serratis, alis subfuscis.*

Body slender: head and chest beset with a few black bristles: head bluish black, shining, adorned behind with a spot of white down and with a stripe of the same along each eye, clothed beneath

with pale hairs; sides of the face without bristles; epistoma not prominent: eyes red; fore part slightly convex, its facets larger than those elsewhere: sucker pitchy, clothed with pale tawny hairs; palpi tawny: feelers tawny, darker at the base, shorter than the face; third joint nearly round, longer than the second; bristle pale tawny, slender, bare, about four times the length of the third joint: chest black, dull, finely punctured, clothed (especially on each side) with short tawny hairs; scutcheon small, armed with two bristles: abdomen twice the length of the chest, linear and narrow for half the length, broader and spindle-shaped from thence to the tip, clothed on each side with pale yellow hairs: legs red, clothed with very short pale yellow hairs; hips and feet pitchy; claws black; hind thighs thick, spindle-shaped, adorned with a pitchy band, armed beneath with a double row of short black spines, furrowed for the reception of the hind shanks, which are slightly curved: wings rather narrow, slightly tinged with brown; wing-ribs tawny; veins pitchy, tawny at the base; fourth longitudinal vein forming two very obtuse angles, the one upward at the junction with the middle cross-vein, the other downward at the junction with the lower cross-vein; sixth longitudinal vein abruptly proceeding to the hind border after its junction with the lower basal cross-vein; middle cross-vein very short; lower cross-vein straight, nearly upright, parted by more than thrice its length from the middle cross-vein, by more than four times its length from the end of the fourth longitudinal vein, and by more than half its length from the end of the fifth longitudinal vein; poisers bright tawny. Length of the body 3½ lines; of the wings 6 lines.

a. ——— ?

Piophila, *Fallen.*

Piophila Casei, *Fall. Heterom.* 9, 1. *Meig. Dipt.* v. 395, 1, *pl.* 54, *f.* 4. *Macq. Hist. Nat. Dipt.* ii. 541, 1. Musca Casei, *Linn. Faun. Suec.* 1850, *β.* M. putris, var. *Linn. Syst. Nat.* ii. 993. *Gmel. Ed. Syst. Nat.* v. 2849, 89. *Berk. Syn.* 1, 165. *Stew. El.* ii. 260. *Turt.* iii. 610. Tyrophaga Casei, *Kirby and Spence, Intr. Ent.* i. 226, iv. 9. *Curt. Brit. Ent.* iii. 120. The cheese-fly, *Bingley, Anim. Biog.* iii. 318.

a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Interior of South Africa. Presented by the Earl of Derby.
e. ——— ? From Mr. Children's collection

PIOPHILA atrata, *Meig. Dipt.* v. 396, 2. *Macq. Hist. Nat. Dipt.* ii. 542, 2. Musca atrata, *Fabr. Ent. Syst.* iv. 333, 89. Tephritis atrata, *Fabr. Syst. Antl.* 323, 33. Piophila vulgaris, *Fall. Heterom.* 9, 2.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Galapagos. Presented by C. Darwin, Esq.
e. Tangier. From Mr. Fraser's collection.

PIOPHILA nigrimana, *Meig. Dipt.* v. 396, 3, *pl.* 54, *f.* 5. *Macq. Hist. Nat. Dipt.* ii. 542, 3.
a. England.

PIOPHILA nigriceps, *Meig. Dipt.* v. 397, 5.
a. England.
b. Alten. Presented by F. Walker, Esq.
c. Hammerfest. Presented by F. Walker, Esq.
d. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

PIOPHILA luteata, *Hal. Ent. Mag.* i. 169. P. petasionis, *Dufour, Ann. Sci. Nat. 3me série*, i. 365, *pl.* 15, 16.
a. England. Presented by F. Walker, Esq.
b. England.

HOMALURA, *Meigen.*

HOMALURA tarsata, *Megerle, Meig. Dipt.* v. 399, 1, *pl.* 54, *f.* 6—9 *Macq. Hist. Nat. Dipt.* ii. 586, 1.
a. Aix-la-chapelle. Presented by F. Walker, Esq.

THYREOPHORA, *Latreille.*

THYREOPHORA cynophila, *Latr. Gen. Crust.* iv. 358. *Cons. Gén.* 444. *Meig. Dipt.* v. 401, 1, *pl.* 54, *f.* 10—15. *Desv. Essai Myod.* 622, 1. *Macq. Hist. Nat. Dipt.* ii. 497, 1. Musca cynophila, *Panz. Faun. Ins. Germ.* 24, 22.
a. France.

Actora, *Meigen.*

Actora æstuum, *Meig. Dipt.* v. 403, 1, *pl.* 54, *f.* 16—20. *Macq. Hist. Nat. Dipt.* ii. 500, 1. Helcomyza ustulata, *Curt. Brit. Ent.* 68.

a. England.

Actora extrema, n. s., mas. *Ferruginea, thorace cinereo, palpis fulvis, antennis pedibusque ferrugineis, alis subcinereis.*

Body ferruginous, thickly clothed with black hairs: head beset with a few black bristles; a stout bristle on each side of the face at the base; epistoma not prominent: eyes red, convex; all the facets very small: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers ferruginous; third joint nearly round, a little longer than the first and the second joints; bristle black, downy, long, nearly thrice the length of the feeler: chest and breast gray; scutcheon and fore part of the breast ferruginous: legs ferruginous, thickly clothed with black hairs; foot-cushions yellow; claws black: wings pale gray; wing-ribs tawny; veins black, tawny towards the base; fore border vein tawny, armed with black spines; lower cross-vein straight, perpendicular, parted by more than twice its length from the middle cross-vein, and by near thrice its length from the tip of the wing; poisers yellow. Length of the body 5 lines; of the wings 12 lines.

a. Finmark. Presented by F. Walker, Esq.

Actora ferruginea, n. s., fem. *Ferruginea, thorace trivittato, palpis fulvis, antennis pedibusque ferrugineis, tarsis piceis, alis subfulvis.*

Body ferruginous, thickly clothed with black hairs, partly adorned with a hoary bloom: sides of the face without bristles, excepting the stout black one on each at the base; epistoma not prominent: eyes red, tinged with green on the disk; the facets of moderate size: sucker and palpi tawny; sucker clothed with tawny hairs; palpi beset with black bristles: feelers bright ferruginous, much shorter than the face; third joint rounded, downy, forming two-thirds of a circle, a little longer than the second, which is clothed with short black hairs; bristle black, slender, downy, more than six times the length of the third joint; its second joint long, pitchy at the base: chest adorned with three slightly interrupted ferruginous stripes, the middle one very slender: abdomen very slightly tapering from the base to the tip, a little longer and narrower than the chest: legs ferruginous, very thickly clothed with black

hairs; feet pitchy, excepting the base; claws black; foot-cushions tawny: wings slightly tawny; wing-ribs tawny; veins pitchy, tawny towards the base; longitudinal veins straight; lower cross-vein a little oblique, very slightly curved outward, parted by much more than twice its length from the middle cross-vein and from the tip of the wing, and by near half its length from the hind border; poisers bright tawny. Length of the body 4 lines; of the wings 8 lines.

a. Nova Scotia. From Lieut. Redman's collection.

Lucina, *Meigen.*

Lucina fasciata, *Meig. Dipt.* vi. 3, 1, *pl.* 55, *f.* 6—8. *Macq. Hist. Nat. Dipt.* ii. 409, 1.
a. England. Presented by F. Walker, Esq.

Camarota, *Meigen.*

Camarota flavitarsis, *Meig. Dipt.* vi. 7, 1, *pl.* 55, *f.* 18—21. *Macq. Hist. Nat. Dipt.* ii. 560, 1.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Camarota aurifrons, *Haliday, Ent. Mag.* i. 172.
a. England. Presented by F. Walker, Esq.

Sciomyza, *Fallen.*

Div. A. *Meig. Dipt.* v. 10.

Sciomyza albocostata, *Fall. Sciom.* 12, 3. *Meig. Dipt.* vi. 12, 5. *Macq. Hist. Nat. Dipt.* ii. 405, 4, *pl.* 18, *f.* 13. *Zett. Ins. Lapp.* 738, 5. *Dipt. Scand*, v. 2098, 9.
a. England. Presented by F. Walker, Esq.
b. France.

Sciomyza obtusa, *Fall. Sciom.* 13, 4. *Meig. Dipt.* vi. 12, 6.? *Zett. Ins. Lapp.* 737, 4. *Dipt. Scand.* v. 2999, 10.
a. England. Presented by F. Walker, Esq.
b. France.

Div. B. *Meig. Dipt.* v. 15.

Sciomyza fuscipennis, *Meig. Dipt.* vi. 16, 15.
a. England. Presented by F. Walker, Esq.
b. ———? From Mr. Children's collection.

Sciomyza cinerella, *Fall. Sciom.* 14, 8. *Meig. Dipt.* vi. 16, 16. *Macq. Hist. Nat. Dipt.* ii. 407, 11. *Zett. Ins. Lapp.* 739, 10. *Dipt. Scand.* v. 2118, 28.
a. England. Presented by F. Walker, Esq.
b. France.

Sciomyza ventralis, *Fall. Sciom.* 14, 9. *Meig. Dipt.* vi. 21, 29.
a. England. Presented by F. Walker, Esq.

Sciomyza Schönherri, *Fall. Sciom. Suppl.* ii. 13, 13. *Zett. Ins. Lapp.* 738, 8. *Dipt. Scand.* v. 2107, 16. S. monilis, *Meig. Dipt.* vi. 17, 18. *Macq. Hist. Nat. Dipt.* ii. 407, 12. Pherbellia vernalis? *Desv. Essai Myod.* 696, 1.
a. England.

Sciomyza nana, *Fall. Sciom.* 15, 12. *Meig. Dipt.* vi. 18, 19. *Macq. Hist. Nat. Dipt.* ii. 408, 14. *Zett. Dipt. Scand.* v. 2109, 18.
a. England. Presented by F. Walker, Esq.

Sciomyza fulvipennis, *Walker, Linn. Trans.* xvii. 359, 76.
a. Port Famine. Presented by the Entomological Club. ♀

Sciomyza bicolor, *Walker, Linn. Trans.* xvii. 358, 75.
a. Port Famine. Presented by the Entomological Club.

Sciomyza nigripalpus, *Barnston's MSS. Fulva, abdominis apice flavo, palpis nigris, antennis pedibusque fulvis, tarsis obscurioribus, alis subfulvis.*

Body tawny, beset with black hairs and bristles: head paler beneath; sides of the face without bristles; epistoma not prominent: eyes red, convex; all the facets very small: sucker dark tawny, clothed with tawny hairs; palpi black, beset with black bristles: feelers bright tawny, as long as the face; third joint flat above, very slightly convex beneath, rounded at the tip, much more than twice the length of the second joint: abdomen slightly tapering from the base to the tip, yellow above towards the tip, narrower, but hardly longer than the chest: legs tawny, clothed with very short black hairs, beset with a few black bristles; feet darker; claws black; foot-cushions pale tawny: wings slightly tawny; wing-ribs and veins tawny; lower cross-vein straight, slightly oblique, parted by more than twice its length from the middle cross-vein, by about thrice its length from the tip of the wing, and by nearly half its

length from the hind border; poisers tawny. Length of the body 2 lines; of the wings 4½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Sciomyza reversa, n. s., fem. *Fulva, crassa, capite nigro-cinereo, palpis antennis pedibusque fulvis, tarsis piceis, alis cinereis ad costam fulvis.*

Body thick, bright tawny: head and chest beset with black bristles: head black, tinged with gray; two stout bristles on each side of the face at the base; a row of short bristles behind the eyes; sides of the peristoma very bristly; epistoma not prominent: eyes red; fore part nearly flat, its facets a little larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi dark tawny, beset with black bristles: feelers bright tawny, as long as the face; third joint narrow, linear, about four times the length of the second, rounded at the tip; bristle pitchy, very much longer than the third joint, feathered on both sides to the tip with long hairs: abdomen obconical, clothed with black hairs, equal to the chest in length and breadth: legs stout, tawny, beset with black hairs and bristles; feet pitchy; claws black: wings gray, tawny along the fore border; wing-ribs and veins tawny; longitudinal veins straight; middle cross-vein straight, slightly oblique; lower cross-vein oblique, with a very slight outward curve at each end and a larger inward curve in the middle, parted by a little more than its length from the middle cross-vein, by very much more than its length from the end of the fourth longitudinal vein, which is far below the tip of the wing, and by a little more than half its length from the end of the fifth longitudinal vein; poisers tawny. Length of the body 2½ lines; of the wings 5 lines.

a. New Holland Presented by J. Hunter, Esq.

Sciomyza cinctipes, n. s., fem. *Ferruginea, crassa, capite abdominisque lateribus posticis nigris, palpis nigris, antennis piceis, pedibus fulvis, genubus tibiis tarsisque apice pedibusque anticis nigris, alis subcinereis ad costam fulvis.*

Body thick, ferruginous: head and chest beset with a few black bristles: head black, with a row of short bristles behind each eye; face shining, its sides without bristles; epistoma not prominent: eyes red, convex; all the facets very small: sucker pitchy, clothed with tawny hairs; palpi black, beset with black bristles: feelers pitchy, much shorter than the face; third joint conical, longer than the second; bristle slender, downy, about thrice the length of the

third joint: abdomen obconical, not longer nor broader than the chest, clothed with black hairs, black on each side towards the tip: legs tawny, clothed with short black hairs; knees, tips of shanks and feet black; foot-cushions tawny; fore legs black, with tawny hips: wings slightly gray, tawny along the fore borders; wing-ribs and veins tawny; longitudinal veins straight, the fifth ceasing immediately after its junction with the lower cross-vein; middle cross-vein straight, slightly oblique; lower cross-vein oblique, hardly curved outward, parted by much more than twice its length from the middle cross-vein, by four times its length from the end of the fourth longitudinal vein, and by half its length from the hind border; poisers tawny. Length of the body 2 lines; of the wings 4 lines.

a. New Holland. Presented by J. Hunter, Esq.

Sciomyza (n. g:?) obliqua, n. s. *Ferruginea, crassa, capite palpis pedibusque fulvis, antennis ferrugineis, alis fuscis costa basi fulva.*

Body thick, ferruginous, clothed with short tawny hairs: head tawny; sides of the face without bristles; epistoma not prominent: eyes pitchy, small, convex; all the facets very small: sucker tawny, clothed with pale hairs; palpi tawny, beset with black bristles: feelers ferruginous, shorter than the face; third joint forming two-thirds of a circle, a little longer than the second; bristle black, bare, slender, very much larger than the third joint: abdomen obconical, not longer than the chest: legs tawny, clothed with short yellow hairs; claws black: wings brown, tawny along the fore border for half the length from the base; wing-ribs and veins ferruginous; fourth longitudinal vein forming a very obtuse angle at its junction with the lower cross-vein, slender and slightly curved from thence to its tip, and apparently a continuation of the lower cross-vein; middle cross-vein straight, slightly oblique; lower cross-vein long, very oblique, nearly straight, parallel to the hind border of the wing, parted by hardly more than its length from the middle cross-vein, by a little less than its length from the end of the fourth longitudinal vein, and by less than half its length from the end of the fifth longitudinal vein; poisers pale yellow. Length of the body 1¾ line; of the wings 3 lines.

a. New Holland Presented by the Haslar Hospital.

Dacus, *Fabr.*

Dacus Oleæ, *Meig. Dipt.* v. 22, 1, *pl.* 56, *f.* 11, 13. *Macq. Hist. Nat. Dipt.* 11, 451, 1. *Rossi Faun. Etrusc.* 2, 349, 1538. Musca Oleæ, *Fabr. Ent. Syst.* iv. 349, 152. Oscinis Oleæ, *Fabr. Syst. Antl.* 215, 3. *Coq. Illust. pl.* 24, *f.* 16. *Latr. Gen. Crust.* iv. 351. Brachyopa Oleæ, *Meig. Syst. Beschr.* iii. 264, 6.

a. France.

b. Italy. From Mr. Birch's collection.

Group Senopterina, *Macq.*

Dacus brevipes, *Weid. Auss. Zweif.* ii. 513, 1. Senopterina brevipes, *Macq. Hist. Nat. Dipt.* ii. 454, 1.

a. ——— ?

Dacus bicolor, n. s., mas. et fem. *Fulvus, capite ferrugineo, abdomine cyaneo-purpureo basi fulvo, palpis ferrugineis, antennis pedibusque fulvis, alis fulvis, apice fuscis, marginibus posticis cinereis.*

Head and chest tawny, beset with a few black bristles: head ferruginous above and in front; sides of the face without bristles; epistoma not prominent: eyes black; fore part flat, its facets much larger than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi ferruginous, beset with black bristles: peristoma large; furrows of the face tinged with white; feelers tawny, a little shorter than the face; third joint about twice the length of the second, tapering from the base to the tip, which is conical; bristle black, very slender, tawny at the base, near which it has a few very short hairs, about thrice the length of the third joint: chest clothed on each side with some very short pale tawny hairs: abdomen bluish-purple, spindle-shaped, tawny at the base, a little narrower and longer than the chest: oviduct short, pitchy towards the tip: legs tawny, clothed with very short pale yellow hairs; feet darker towards the tips; claws black; foot-cushions pale dull yellow; thighs armed beneath towards the tips with a double row of short black spines; wings tawny, gray along the hind borders; a large dark brown spot near the tip of each fore border; wing-ribs and veins tawny, the latter pitchy in the brown parts of the wing; longitudinal veins nearly straight, middle cross-vein straight, upright; lower cross-vein almost straight, nearly upright, parted by less than thrice its length from the middle cross-vein by much more than thrice its length from the end of the fourth longitudinal vein, and by less than half its length from the end of the fifth longitudinal vein; poisers pale yellow,

tawny at the base; scales white, of moderate size, fringed with white hairs, the lower extending a little beyond the upper. Length of the body 3½—4 lines; of the wings 7 lines.

a. ———?

Dacus basalis, n. s. *Cyaneo viridis, capite fulvo supra subtusque nigro, oculorum marginibus facieque albis, abdomine basi subtus fulvo, palpis fulvis, antennis pedibusque ferrugineis, alis subcinereis, costa nervisque transversis fusco nebulosis.*

Body bluish-green: head tawny, black beneath and on the crown; a white stripe along each eye; face white, its sides without bristles; epistoma prominent: eyes pitchy; fore part flat, its facets much larger than those elsewhere: sucker black, clothed with tawny hairs; palpi tawny, rather large, beset with black bristles: feelers ferruginous, full as long as the face; third joint linear, slender, pitchy towards the tip, more than four times the length of the second; bristle slender, black, bare, tawny towards the base, much longer than the third joint: chest covered with whitish bloom: abdomen linear, tawny towards the base beneath, much longer and narrower than the chest: legs ferruginous, clothed with very short black hairs; feet pitchy towards the tips; claws black; foot-cushions tawny: wings slightly gray, brown along the fore border from near one-third of the length to the tip; middle and lower cross-veins clouded with brown, which has the darkest hue on the former; wing-ribs ferruginous; veins pitchy, ferruginous towards the base; longitudinal veins nearly straight; middle cross-vein very oblique; lower cross-vein nearly upright, parted by little less than its length from the middle cross-vein, by much more than its length from the tip of the wing, and by little more than one-fourth of its length from the hind border; poisers pale tawny. Length of the body 2¾ lines; of the wings 5 lines.

a. Port Essington. From Mr. Gould's collection.
b. ———?

Dacus trivittatus, n. s., mas. *Piceus, capite flavo vitta picea ornato, thorace flavo trivittato, abdominis apice ferrugineo, palpis fuscis, antennis fulvis articulo 3° supra piceo, pedibus piceis tibiis tarsisque posticis femoribusque fulvis, alis limpidis ad costam fuscis.*

Body pitchy, clothed with very short yellow hairs: head and chest beset with a few black bristles: head yellow; a broad pitchy stripe on the crown; furrows of the face black, its sides without bristles; epistoma slightly prominent: eyes pitchy; fore part flat, its facets much larger than those elsewhere: sucker pitchy, clothed

with tawny hairs: palpi pale brown: feelers tawny, as long as the face; third joint pitchy above, nearly four times the length of the second, very slightly tapering from the base to the tip, which is somewhat obliquely truncated; bristle pitchy, very slender, downy till near the tip, tawny at the base, less than twice the length of the third joint: chest adorned with three very broad yellow stripes: abdomen spindle-shaped, ferruginous towards the tip, a little narrower but not longer than the chest: legs pitchy, clothed with very short yellow hairs, beset with black bristles; hips, thighs, hind shanks and hind feet tawny; claws black: wings colourless, brown along the fore border; wing-ribs and veins tawny; upper basal cross-vein straight; lower basal cross-vein oblique, a little nearer the base of the wing than the other; middle cross-vein straight, slightly oblique, lower cross-vein nearly upright, straight, excepting a very slight outward curve along half the length from the base, parted by much more than its length from the middle cross-vein, by full twice its length from the tip of the wing, and by near half its length from the hind border; poisers ferruginous. Length of the body 3½ lines; of the wings 6 lines.

a. Philippine Islands. From Mr. Wood's collection.

Dacus ferrugineus, *Fabr. Syst. Antl.* 274, 5. *Weid. Auss. Zweif.* ii. 516, 5. Musca ferruginea, *Fabr. Ent. Syst.* iv. 342, 127.
a. ——— ?

Dasyneura, *Saunders, Trans. Ent. Soc.* iii. 60.

Dasyneura caudata? Dacus caudatus? *Fabr. Syst. Antl.* 276, 16. *Wied. Auss. Zweif.* ii. 518, 8. *Ferruginea, capite fulvo, facie flava maculis duabus nigris ornata, thorace trivittato flavo bimaculato, lateribus flavo vittatis, pectoris maculis quatuor scutelloque flavis, abdomine flavo piceoque vario, palpis flavis, antennis pedibusque fulvis his ferrugineo variis, alis limpidis costa vitta postica basi apiceque fuscis.*

Fem.—Body ferruginous, clothed with very short pale hairs: head and chest beset with a few black bristles: head tawny; face yellow, adorned in front with two black spots, its sides without bristles; epistoma slightly prominent; eyes pitchy; fore part nearly flat, its facets larger than those elsewhere: sucker and palpi clothed with short pale hairs; sucker ferruginous; palpi yellow, stout, curved: feelers tawny, full as long as the face; third joint slender, straight beneath, very slightly concave above, rounded and pitchy at the tip,

much more than twice the length of the second; bristle black, bare, very slender, tawny at the base, a little more than twice the length of the third joint; chest and breast slightly covered with whitish bloom, which on the former is interrupted by three stripes: chest adorned with a yellow spot on each shoulder and with a yellow stripe on each side; breast with two yellow spots on each side; scutcheon yellow, armed on the hind border with two bristles: abdomen elliptical, slightly petiolated, a little broader but hardly longer than the chest, adorned with a yellow band on the hind border of the second segment, with a pitchy band on the fore border of the third segment, and with a pitchy stripe towards the tip: oviduct forming a flat tapering tube, which is less than half the length of the preceding part: legs clothed with very short pale hairs; hips and hind shanks ferruginous; four hinder thighs pale tawny, with ferruginous tips: middle shanks tawny; feet ferruginous, tawny at the base; claws black; fore legs tawny, their shanks and feet ferruginous, the latter tawny towards the base: wings colourless, brown a little below the fore border for near one-third of the length from the base, and along the fore border from thence to the tip, where the brown hue widens into a darker spot; a brown stripe from the base of the wing accompanies the sixth longitudinal vein to the hind border; lower cross-vein clouded with brown; wing-ribs tawny; veins pitchy, tawny towards the base; longitudinal veins slightly waving; lowest basal cross-vein forming an angle on approaching the sixth longitudinal vein, and accompanying it along half its course from thence to the tip before they are united; middle cross-vein oblique, very slightly curved inward; lower cross-vein nearly upright, with two very indistinct curves, the lower inward, the upper outward, parted by full its length from the middle cross-vein, by more than its length from the tip of the wing, and by less than one-fourth of its length from the hind border; poisers yellow. Length of the body 4 lines; of the wings 7 lines.

Var. β. Abdomen with no yellow band, pitchy at the base, and having a pitchy band on each segment from the second to the fourth.

a. North Bengal. From Miss Campbell's collection.
b. ———?

Dasyneura Tau, n. s., mas. *Fulva, flavo nigroque varia, palpis antennis pedibusque fulvis, tarsis posterioribus femoribusque flavis, alis fusco bivittatis.*

Body and legs clothed with short pale hairs: head and chest beset with a few black bristles: head yellow, adorned with a pitchy

spot above the base of the feelers, and with two black spots on the face; sides of the latter without bristles; epistoma not prominent: eyes red; fore part slightly convex; its facets larger than those elsewhere; sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, full as long as the face; third joint slender, linear, rounded and darker at the tip, more than four times the length of the second; bristle bare, slender, black, tawny towards the base, nearly twice the length of the third joint: chest and abdomen elliptical, of equal length and breadth: chest and breast tawny, an interrupted black stripe on each side of the former; a short black band on each side of the latter: a black spot on each side of the hind scutcheon: abdomen yellow, tawny on the disk, adorned with a short black stripe on each side near the base, and with two black spots on each side near the tip; it has also two black bands, the first is indistinct and interrupted on each side, from the latter a black stripe proceeds almost to the tip of the abdomen: hips tawny; thighs yellow, tawny towards the tips: shanks dark tawny; four hinder feet pale yellow, their tips and the fore feet tawny; claws black: wings colourless; a brown stripe proceeds along one-third of the length from the base a little below the fore border, which it afterwards accompanies to the tip of the wing and there widens; another brown stripe accompanies the sixth longitudinal vein to the hind border; wing-ribs and veins tawny; longitudinal veins slightly waving, the fifth forming a very slight angle at its junction with the lower cross-vein; upper basal cross-vein nearly upright, very slightly curved outward; lower basal cross-vein much nearer the base of the wing, forming a right angle on approaching the sixth longitudinal vein, which it thence accompanies nearly to the hind border; middle cross-vein slightly oblique, straight till near the tip, where it is curved outward; lower cross-vein slightly oblique, straight, with the exception of a very slight outward curve near its tip, parted by its length from the middle cross-vein, by a little more than its length from the tip of the wing, and by one-fourth of its length from the hind border; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. China. Presented by G. T. Lay, Esq.
b. ——— ♀

Dasyneura zonata, *Saunders, Trans. Ent. Soc.* iii. 61, *pl.* 5, *f.* 3.

A variety of this species much resembles the preceding, but differs in the following characters. *Fem.*—Head covered with a slight hoary bloom, adorned with three pitchy spots on each side of the crown: fore part of the eyes flat, its facets much larger than those elsewhere: third joint of the feelers more than twice the length

of the second: chest and breast gray; fore part of the latter tawny; shoulders, a stripe on each side of the chest, scutcheon, and an oblique band on each side of the breast yellow: abdomen tawny, nearly oval, broader but hardly longer than the chest, adorned with two pitchy bands, which have a broader yellow band between them; a pitchy stripe proceeds from the hinder band to the tip of the abdomen: hind shanks brown towards the tips: stripes of the wing tawny, the upper one ceases at three-fourths of the length of the wing, the lower accompanies the sixth longitudinal vein along half its length; a brown spot at the tip of each wing; longitudinal veins nearly straight; lower basal cross-vein approaching very near the sixth longitudinal vein, which it accompanies for half the length of the latter, from thence to the hind border before their junction; middle cross-vein oblique, slightly curved inward till near the base, where it is curved outward; lower cross-vein a little oblique, forming two very slight angles (the lower inward, the upper outward), parted by more than its length from the middle cross-vein, by much more than its length from the tip of the wing, and by less than one-fourth of its length from the hind border.

a. North Bengal. From Miss Campbell's collection.

DASYNEURA nebulosa, n.s., mas. *Ferruginea, facie nigro bimaculata, thorace pectoreque nigro variis, abdominis lateribus piceis, antennis ferrugineis, palpis pedibusque fulvis, alis limpidis fusco nebulosis ad costam obscurioribus.*

Body ferruginous, dull, thinly clothed with very short yellow hairs: head and chest beset with a few black bristles; furrows of the face shining, each adorned with a black spot; sides without bristles; epistoma not prominent: eyes pitchy: fore part flat, its facets larger than those elsewhere; sucker pitchy, clothed with tawny hairs; palpi tawny, broad: feelers ferruginous, as long as the face; third joint dark ferruginous, about twice the length of the second, slightly tapering from the base to the tip, which is conical; bristle pitchy, bare, very slender, pale tawny towards the base, less than twice the length of the third joint: an indistinct black stripe on the fore part of the chest, which on each side has a black band communicating with the black disk of the breast; hind chest black: abdomen elliptical, a little longer and narrower than the chest, somewhat pitchy on each side: legs tawny, clothed with very short yellow hairs; claws black, tawny at the base; fore feet dark tawny towards the tips: wings colourless, brown along the fore borders, paler brown including some colourless streaks on the disk: a slight brown stripe along the sixth longitudinal vein; wing-ribs and veins tawny; upper basal cross-vein a little oblique, very slightly curved outward;

lower basal cross-vein slanting towards the base of the wing till it approaches the sixth longitudinal vein, which, forming a right angle, it accompanies in a waving line towards the hind border; middle cross-vein oblique, having two curves, the lower outward, shorter, and more distinct than the other, which is inward; lower cross-vein slightly oblique, nearly straight, parted by rather more than its length from the middle cross-vein, by twice its length from the tip of the wing, and by hardly one-fourth of its length from the hind border; poisers pale yellow, tawny at the base. Length of the body 3 lines; of the wings 6 lines.

a. ——— ?

Platycephala, *Fallen.*

Platycephala umbraculata, *Meig. Dipt.* vi. 26, 2. *Macq. Hist. Nat. Dipt.* ii. 427, 2. Musca umbraculata, *Fabr. Ent. Syst.* iv. 348, 148. Oscinis umbraculata, *Fabr. Syst. Antl.* 215, 2. Platycephala agrorum, *Fall. Oscinid*, 2, 2.

a. England. Presented by J. C. Dale, Esq.

Sepedon, *Latreille.*

Sepedon sphegeus *Fall. Sciom.* 2, 1. *Meig. Dipt.* vi. 28, 1. *Macq. Hist. Nat. Dipt.* ii. 363, 1, *pl.* 17, *f.* 16. *Zett. Dipt. Scand.* v. 2120, 1. Syrphus sphegeus, *Fabr. Sp. Ins.* ii. 429, 40. *Ent. Syst.* iv. 298, 72. Mulio sphegeus, *Fabr. Ent. Syst. Suppl.* 559, 9. *Panz. Faun. Germ.* 77, 21. Baccha sphegea, *Fabr. Syst. Antl.* 199, 1. Scatophaga rufipes, *Fabr. Syst. Antl.* 207, 18. Musca sphegea, *Gmel. Ed. Syst. Nat.* i. 5, 2873, 351. *Stew. El.* 265. *Turt.* iii. 646. M. flavipes, *Schrank, Faun. Boic.* iii. 2458. Mulio dentipes, *Schell. Mouch. pl.* 16. Musca rufipes, *Panz. Faun. Germ.* 60, 23. M. simulator, *Harr. Ex.* 152, *pl.* 45, *f.* 77. Sepedon palustris, *Latr. Hist. Nat. Cr.* xiv. 386. *Gen. Crust.* iv. 350. *Cons. Gén.* 444. S. Pseudo-acori, *Desv. Essai Myod.* 677, 1.

a. England.
b. France.

Sepedon Hæffneri, *Fall. Sciom.* 3, 2. *Meig. Dipt.* vi. 29, 2, *pl.* 56, *f.* 22. *Macq. Hist. Nat. Dipt.* ii. 363, 3. *Zett. Dipt. Scand.* v. 2121, 2. S. aquaticus, *Desv. Essai Myod.* 678, 4. S. ferrugigineus, *Leon-Dufour, Ann. Sci. Nat.* xxx. 10, 12, *pl.* 17, *f.* 7.

a. England.

SEPEDON javanensis, *Desv. Essai Myod.* 677, 2. *Macq. Dipt. Exot.* ii. 3, 177, 2, *pl.* 24, *f.* 2.
a. Java. From Mr. Argent's collection.

SEPEDON ferruginosus, *Wied. Auss. Zweif.* ii. 577. 1.
a. ——— ?

SEPEDON macropus, n. s., mas. *Ferrugineus, capite nigro bimaculato, thorace subvittato, pectore albo micante, abdomine piceo, palpis flavis apice piceis, antennis piceis basi fulvis apice nigris, pedibus fulvis, femoribus tibiisque apice piceis, tarsis anticis nigris posterioribus ferrugineis apice piceis, pedibus posticis longis piceo variis, alis fuscis.*

Body ferruginous: head with a black spot on each side between the eyes and the feelers; sides of the face without bristles; epistoma not prominent; peristoma slightly lengthened: eyes pitchy, convex; all the facets of moderate size: sucker pitchy, clothed with pale yellow hairs; palpi yellow, with pitchy tips, beset with a few black bristles: feelers longer than the head; first joint short, tawny; second pitchy, more than five times the length of the first, thickly clothed with short black hairs, slightly increasing in depth towards the tip; third black, deeper than the second, and full half its length, straight beneath, concave above from half the length to the tip, which is obliquely truncated; bristle downy, pitchy, and stout for half the length from the base, slender and white from thence to the tip, rather shorter than the second joint: chest indistinctly striped; breast adorned with white lustre: abdomen elliptical, pitchy, a little longer and broader than the chest: legs tawny; tips of the thighs and of the shanks pitchy; fore feet black; four hinder feet ferruginous with pitchy tips: hind legs very long, their thighs beset beneath with short black spines and adorned with a pitchy band near the tips, their shanks slightly curved, pitchy, with the exception of a tawny band near the tips; foot-cushions yellow; claws black: wings brown, darkest along the fore borders; wing-ribs tawny; veins black, tawny at the base; lower cross-vein slightly curved outward, parted by more than thrice its length from the middle cross-vein and from the tip of the wing, and by one-third of its length from the hind border; poisers yellow, with pitchy knobs. Length of the body 3 lines; of the wings 6 lines.

a. Jamaica. From Mr. Gosse's collection.

SEPEDON Crishna, n. s., mas. *Ferruginea, capite antico fulvo, thoracis disco abdomineque nigris, palpis fulvis, antennis piceis basi ferrugineis, pedibus piceis, tibiis posticis femoribusque ferrugineis, alis fuscis ad costam subfulvis.*

Body ferruginous: head and chest beset with very few black bristles: head tawny in front; sides of the face without bristles; peristoma advanced; epistoma not prominent: eyes pitchy, convex; all the facets very small: sucker pitchy, clothed with tawny hairs; palpi tawny: feelers pitchy, longer than the head; first joint ferruginous, very short; second joint clothed with black hairs, tawny at the base, about four times the length of the first; third joint conical, pointed at the tip, ferruginous at the base, less than half the length of the second; bristle pale yellow, stout, downy, not longer than the third joint: disk of the chest black: abdomen black, spindle-shaped, a little narrower but not longer than the chest: legs pitchy; hips tawny; thighs ferruginous; claws black; foot-cushions dull pale yellow; hind thighs stout, tawny at the base, armed beneath with a double row of black spines, which increase in length towards the tips; hind shanks ferruginous, slightly curved, pitchy at the tips: wings brown; a tawny tinge along the fore border; wing-ribs and veins dark tawny; longitudinal veins straight; a brown spot on part of the middle cross-vein, which is short, straight and slightly oblique; lower cross-vein upright, with two hardly perceptible curves, the lower outward, the upper inward, parted by more than twice its length from the middle cross-vein and from the tip of the wing, and by more than half its length from the hind border; poisers pitchy. Length of the body 3½ lines; of the wings 6¼ lines.

a. Nepaul. From the Hardwicke bequest.

DORYCERA, *Meigen.*

DORYCERA graminum, *Meig. Dipt.* vi. 30, 1; *pl.* 57, *f.* 1—5. *Macq. Hist. Nat. Dipt.* ii. 428, 1. Musca graminum, *Fabr. Ent. Syst.* iv. 346, 143. Musca, &c., *Geoff. Ins.* ii. 504, 25. Scatophaga graminum, *Fabr. Syst. Antl.* 205, 8. Dictya graminum, *Latr. Hist. Nat. Crust.* xiv. 384. Tetanocera graminum, *Latr. Gen. Crust.* iv. 351. *Coq. Illust. pl.* 24, *f.* 11. Oscinis thamnicola, *Desv. Essai Myod.* 712, 1.

a. England. Presented by F. Walker, Esq.

b. France.

c. ——? From Mr. Children's collection.

Tetanocera, *Dumeril.*

Div. A. *Meig.*

a. *Meig.*

Group Limnia, *Desv. Essai Myod.* 684.

Tetanocera marginata, *Meig. Dipt.* vi. 33, 1, *pl.* 57, *f.* 9. *Macq. Hist. Nat. Dipt.* ii. 366, 3. *Loew, Dipt. Beitr. Posen.* 1845, 40, 2. *Ent. Zeit. Stett.* viii. (Group 1). *Zett. Dipt. Scand.* v. 2128, 4. Musca marginata, *Fabr. Sp. Ins.* ii. 449, 74. *Ent. Syst.* iv. 345, 139. *Panz. Faun. Germ.* 32, 22. *Schell. Gen. Mouch. pl.* 5, *f.* 2. Scatophaga marginata, *Fabr. Syst. Antl.* 203, 1. S. cincta? *Fabr. Syst. Antl.* 206, 11. Musca limbata, *Gmel. Ed. Syst. Nat.* i. 5, 2853, 233. Volucella marginata, *Schrank, Faun. Boic.* iii. 2494. Tetanocera crinicornis, *Fall. Sciom.* 5, 3. Musca tristis, *Harr. Ex.* 115, *pl.* 34, *f.* 13. Limnia marginata, *Desv. Essai Myod.* 686, 4.

a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. France.
d. ——— ? Presented by the Entomological Club.

Tetanocera stictica, *Latr. Gen. Crust.* iv. 350. *Meig. Dipt.* vi. 34. *Macq. Hist. Nat. Dipt.* ii. 367, 5. *Loew, Ent. Zeit. Stett.* viii. 114. (Group 2.) Scatophaga stictica, *Fabr. Syst. Antl.* 206.

a. England.

Group Pherbina, *Desv. Essai Myod.* 687.

Tetanocera reticulata, *Latr. Gen. Crust.* iv. 350, *Meig. Dipt.* vi. 35, 5. *Macq. Hist. Nat. Dipt.* ii. 368, 7. *Zett. Ins. Lapp.* 740, 2. *Dipt. Scand.* v. 2126, 2. *Loew, Ent. Zeit. Stett.* viii. (Group 3, B.) Musca reticulata, *Fabr. Sp. Ins.* ii. 450, 77. *Ent. Syst.* iv. 347, 145. *Gmel. Ed. Syst. Nat.* i. 5, 2854, 235. Scatophaga reticulata, *Fabr. Syst. Antl.* 206, 12. Tetanocera obsoleta, *Fall. Sciom.* 5, 2. *Latr. Gen. Crust.* iv. 351. Pherbina reticulata, *Desv. Essai Myod.* 688.

a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. France.

TETANOCERA rufifrons, *Latr. Gen. Crust.* iv. 351. *Fall. Sciom.* 5, 4. *Meig. Dipt.* vi. 36, 6. *Macq. Hist. Nat. Dipt.* ii. 368, 8. *Zett. Dipt, Scand.* v. 2130, 6. *Loew, Ent. Zeit.* viii. (Group 2.) Musca rufifrons, *Fabr. Sp. Ins.* ii. 449, 76. *Ent. Syst.* iv. 346, 142. *Gmel. Ed. Syst. Nat.* i. 5, 2854, 234. *Panz. Faun. Germ.* 60, 22. Scatophaga rufifrons? *Fabr. Syst. Antl.* 205, 7. Tetanocera reticulata, *Fall. Sciom.* 5, 4. T. recta, *Loew, Dipt. Beitr. Posen.* 1845, 4.

a. England.

TETANOCERA pratorum, *Fall. Sciom.* 6, 5. *Meig. Dipt.* vi. 37, 7. *Latr. Gen. Crust.* iv. 350. *Macq. Hist. Nat. Dipt.* ii. 368, 10. *Zett. Ins. Lapp.* 740, 4. *Dipt. Scand.* v. 213, 7. *Loew, Ent. Zeit. Stett.* (Group 2.) Scatophaga rufifrons? *Fabr. Syst. Antl.* 205, 7. Musca flavifrons, *Panz. Faun. Germ.* 60, 22. Limnia limbata, *Desv. Essai Myod.* 685, 1.

a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. France.
d. ———? From Mr. Children's collection.
e. North America. Presented by the Entomological Club.

TETANOCERA obliterata, *Fall. Sciom.* 7, 6. *Latr. Gen. Crust.* iv. 351. *Meig. Dipt.* vi. 38, 8. *Macq. Hist. Nat. Dipt.* ii. 366. 1. *Loew, Dipt. Beitr. Posen.* 1845, 46, 12. *Ent. Zeit. Stett.* viii. (Group 6.) *Zett. Dipt. Scand.* v, 2133, 8. Scatophaga obliterata, *Fabr. Syst. Antl.* 205, 9. Musca varicus, *Harr. Ex.* 115, *pl.* 45, *f.* 82.

a. England.
b. Aix-la-chapelle. Presented by F. Walker, Esq.

TETANOCERA punctata, *Meig. Dipt.* vi. 38, 9, *pl.* 57, *f.* 15. *Macq. Hist. Nat. Dipt.* ii. 369, 11. *Zett. Ins. Lapp.* 740, 3. *Dipt. Scand.* v. 2127, 3. *Loew, Ent. Zeit. Stett.* viii. (Group 3, B.) Musca punctata, *Fabr. Ent. Syst.* iv. 347, 147. Scatophaga punctata, *Fabr. Syst. Antl.* 207, 17.

a. England.

TETANOCERA Hieracii, *Meig. Dipt.* vi. 39, 11, *pl.* 57, *f.* 18. *Macq. Hist. Nat. Dipt.* ii. 369, 13. *Loew, Ent. Zeit. Stett.* viii. (Group 3, A.) Musca Hieracii, *Fabr. Ent. Syst.* iv. 361, 201. Tephritis Hieracii, *Fabr. Syst. Antl.* 322, 29. Oscinis Argus, *Fabr. Syst. Antl.* 216, 7. Tetanocera nemorum, *Fall. Sciom.* 8, 8.

a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. France.
d. ———? From Mr. Children's collection.

TETANOCERA umbrarum, *Fall. Sciom.* 77. *Meig. Dipt.* vi. 39, 10. *Zett. Ins. Lapp.* 741, 5. *Loew, Ent. Zeit. Stett.* viii. (Group 3, A.) Musca umbrarum, *Linn. Syst. Nat.* ii. 996, 108. *Faun. Suec.* 1864. Scatophaga gemmata, *Ahrens. Faun*, 3, 21.

a. England. Presented by the Entomological Club.
b. England. Presented by J. C. Dale, Esq.
c. France. From Mr. Children's collection.

b. *Meig.*

TETANOCERA ferruginea, *Fall. Sciom.* 9, 9. *Meig. Dipt.* vi. 40, 12. *Macq. Hist. Nat. Dipt.* ii. 370, 15. *Zett. Ins. Lapp.* 741, 7. *Dipt. Scand.* v. 2137, 11. *Loew, Ent. Zeit. Stett.* viii. 197, 2. (Group 4.) T. stictica? *Desv. Essai Myod.* 681, 1.

a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. ——— ? From Mr. Children's collection.

TETANOCERA elata, *Fall. Sciom.* 9, 10. *Meig. Dipt.* vi. 41, 14, *pl.* 57, *f.* 16. *Macq. Hist. Nat. Dipt.* ii. 370, 17. *Zett. Ins. Lapp.* 741, 9. *Dipt. Scand.* v. 2139, 13. *Loew, Ent. Zeit. Stett.* viii. 200, 6. (Group 4.) Musca elata, *Fabr. Sp. Ins.* ii. 441, 27. *Ent. Syst.* 322, 44. *Syst. Antl.* 297, 69. *Gmel. Ed. Syst. Nat.* i. 5, 2842, 188. Volucella elata, *Schrank, Faun. Boic.* iii. 2493. Tetanocera marginella, *Desv. Essai Myod.* 682, 3.

a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. ——— ? From Mr. Children's collection.
d. France.
e. North America. Presented by the Entomological Club.
f. Nova Scotia. From Lieut. Redman's collection.
g. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

TETANOCERA sylvatica, *Meig. Dipt.* vi. 41, 15. *Macq. Hist. Nat. Dipt.* ii. 371, 18. *Zett. Ins. Lapp.* 742, 10. *Dipt. Scand.* v. 2139, 14. *Loew. Ent. Zeit. Stett.* viii. 199. (Group 4.) T. ferruginea, var. minor, *Fall. Sciom.* 9, 9.

a. England.
b. ——— ? From Mr. Children's collection.

Div. B. *Meig.*

a. *Meig.*

Group Chione, *Desv. Essai Myod.* 679.

TETANOCERA aratoria, *Meig. Dipt.* vi. 42, 16, *pl.* 58, *f.* 17. *Macq. Hist. Nat. Dipt.* ii. 371, 19. *Zett. Ins. Lapp.* 742, 12. *Loew, Ent. Zeit. Stett.* viii. (Group 5.) Musca aratoria, *Fabr. Ent. Syst.* iv. 344, 132. *Syst. Antl.* 306, 113. M. rufifrons? *Panz. Faun. Germ.* 44, 24. Tetanocera interstincta, *Fall. Sciom.* 10, 12. Chione communis, *Desv. Essai Myod.* 680, 1.
a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. ——— ? From Mr. Children's collection.

TETANOCERA lineata, *Fall. Sciom.* 11, 4. *Meig. Dipt.* vi. 43, 18. *Zett. Dipt. Scand.* v. 2144, 18. *Loew, Ent. Zeit. Stett.* viii. (Group 5.) Musca rufifrons? *Panz. Faun. Germ.* 44, 14.
a. England.
b. ——— ? From Mr. Children's collection.

TETANOCERA cucullaria, *Meig. Dipt.* vi. 44, 19. *Macq. Hist. Nat. Dipt.* ii. 366, 2. *Loew, Ent. Zeit. Stett.* viii. (Group 5.) Musca cucullaria, *Linn. Syst. Nat. Ed.* xii. 2, 995, 103. *Gmel. Ed. Syst. Nat.* i. 5, 2853, 103. *Turt.* iii. 615.
a. England. Presented by F. Walker, Esq.
b. England. Presented by F. Walker, Esq.
c. ——— ? From Mr. Children's collection.

TETANOCERA rufa, *Loew. Dipt. Beitr. Posen*, 1845, 42, 6. *Ent. Zeit. Stett.* viii. (Group 5.) *Zett. Dipt. Scand.* v. 2141, 15. Musca cucullaria, *Fabr. Sp. Ins.* ii. 449, 71. *Ent. Syst.* iv. 345, 136. M. rufa, *Panz. Faun. Germ.* 54, 17. Scatophaga cucullaria, *Fabr. Syst. Antl.* 204, 2? Tetanocera cucullaria, *Fall. Sciom.* 9. 11. *Zett. Ins. Lapp.* 742, 11.
a. England.
b. ——— ? From Mr. Children's collection.

TETANOCERA guttularis, *Weid. Auss. Zweif.* ii. 584. 3.
a. North America. Presented by the Entomological Club.
b. New York. Presented by E. Doubleday, Esq.

TETANOCERA canadensis, *Macq. Dipt. Exot.* ii. 3, 181, 4, *pl.* 24, *f* 5.
a. North America. Presented by the Entomological Club.
b. Florida. Presented by E. Doubleday, Esq.
c. New York. Presented by E. Doubleday, Esq.
d. Georgia. From Mr. Abbot's collection.

TETANOCERA Sigma, *White, Zool. Voy. Erebus and Terror. Ferruginea, capite supra fulvo, thorace quadrivittato, palpis nigris, antennis pedibusque ferrugineis, alis cinereis ad costam fulvis fusco novem-maculatis, nervo transverso contorto.*

Body ferruginous, thinly clothed with black hairs and bristles: crown and hind part of the head beset with black bristles; crown bright tawny, with the exception of a narrow ferruginous stripe between the eyelets and the base of the feelers; face large, flat, silky-white, with a yellow tinge, having four little black hairs on each side: eyes black; fore part red, rather flat, composed of much larger facets than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers ferruginous, nearly as long as the face; second joint thickly beset with black bristles; third conical, a little broader but hardly longer than the second, dark ferruginous, except at the base; bristle black, tawny at the base, feathered with short hairs, much more than twice the length of the third joint: crown concave in the middle, convex and ferruginous on each side: fore border of the chest with four indistinct darker stripes; breast paler than the chest: abdomen linear, a little longer and narrower than the chest: less ferruginous, rather thick, clothed with short black hairs, beset with a few black bristles; claws black: wings gray, tawny for half the breadth beneath the fore border, adorned with nine brown spots, of which five are along the fore border, one on the middle cross-vein, one at each end of the lower cross-vein, and one on the fourth vein, at a short distance from its tip; the second and third of those on the fore border are close together, and each is rather smaller than the first, but larger than the fourth; the fifth is larger than any of the preceding; wing-ribs tawny; veins black, tawny at the base; lower cross-vein curved into the form of a 8; poisers pale tawny. Length of the body 3½ lines; of the wings 7 lines.

a. New Zealand. From Mr. Earl's collection.

TETANOCERA nova, n. s., mas. et fem. *Ferruginea, capite supra fulvo antice flavo maculis fuscis ornato, abdominis apice nigro fasciato, palpis nigris, antennis piceis, pedibus ferrugineis, femoribus tibiisque apice piceis, tibiis basi piceo fasciatis, genubus flavis, alis subcinereis, nervo transverso fusco marginato.*

Body ferruginous, thinly clothed with black hairs and bristles: head tawny on the crown, yellowish white around the eyes, yellow and prominent in front; a brown spot on each side of the face; two paler and more irregular spots on each side of the peristoma; sides of the face without bristles; epistoma not prominent; sides of the peristoma very prominent: eyes red, convex; facets rather large,

especially those on the fore part: sucker tawny, clothed with tawny hairs; palpi black, beset with black bristles: feelers pitchy, much shorter than the face, which has two deep grooves to receive them; second joint ferruginous; third conical, not longer than the second, which it joins obliquely; bristle tawny, bare, more than thrice the length of the third joint: chest adorned with five indistinct hoary stripes: abdomen a little longer and narrower than the chest, rather thickly beset with black bristles on each side, towards the tip bright ferruginous, shining, and adorned with a black band: legs ferruginous, clothed with black hairs and bristles; tips of thighs and of shanks pitchy; knees yellow; a pitchy band at the base of each shank; foot-cushions yellow; tips of the claws black: wings very pale gray; wing-ribs and veins tawny; middle cross-vein slightly clouded with brown; lower cross-vein with two very slight curves, the lower inward, the upper outward, more indistinct than the other; poisers tawny. Length of the body 4 lines; of the wings 9 lines.

a. New Holland. Presented by the Entomological Club.

TETANOCERA angulifera, n. s. *Fusca, capite fulvo albo micante facie verticeque maculis nigris ornatis, thoracis lateribus flavo vittatis, palpis flavis apice piceis, antennis piceis basi fulvis, pedibus fulvis.*

Body brown, adorned with tawny bloom, beset with some black bristles: head tawny above, adorned beneath with white lustre; face whitish, with a black spot on the disk, and one at the base of each feeler; its sides without bristles; epistoma not prominent; two black spots on each side of the crown: eyes red; the facets very small: sucker pitchy, clothed with tawny hairs: palpi yellow with pitchy tips, beset with black bristles: feelers pitchy, a little longer than the head; first and second joints tawny; second clothed with black hairs, more than twice the length of the first; third as long as the second, very slightly convex beneath, slightly concave above along half the length from the tip, which is truncated; bristle stout, tawny along half the length, white and slender from thence to the tip, proceeding from very near the base of the third joint, and about twice its length; first and second joints long: a yellow stripe along each side of the chest: abdomen slightly spindle-shaped, a little longer but not narrower than the chest: legs tawny, clothed with short black hairs, beset with very few black bristles; knees, feet, and tips of shanks pitchy; claws black; foot-cushions pale tawny: wings gray, brown along the fore border, fully studded with little colourless spots, which are disposed in eight longitudinal rows; there are also some brown spots along the middle part of the fourth longitudinal vein; wing-ribs and veins pitchy; longitudinal veins straight; mid-

dle cross-vein straight, short, slightly oblique; lower cross-vein straight along the upper half of its course, and then forming two angles (the upper outward and slightly obtuse, the lower inward and very obtuse), parted by full twice its length from the middle cross-vein and from the tip of the wing, and by less than half its length from the hind border; poisers tawny. Length of the body 2¼—2½ lines; of the wings 4½—5 lines.

a. Monte Video. Presented by C. Darwin, Esq.

TETANOCERA Struthio, *Barnston's MSS.*, mas et fem. *Ferruginea, capite fulvo lateribus nigro bimaculatis, facie palpisque flavis, thorace flavo quadrivittato, antennis fulvis, pedibus flavis, femoribus anticis apice tarsisque piceis, alis fulvis costa venisque transversis fusco nebulosis.*

Body ferruginous: head and chest beset with a few stout black bristles; head bright tawny, adorned with a black spot on each side between the feelers and the eyes; face pale yellow; its sides without bristles; epistoma slightly prominent: eyes black, convex, the facets very small: sucker ferruginous, clothed with tawny hairs; palpi yellow, beset with black bristles: feelers bright tawny, as long as the head; first joint very short; second beset with black hairs and bristles, increasing in breadth from the base to the tip, more than twice the length of the first; third a little longer than the second, straight beneath, forming an angle above at the insertion of the bristle, whence it abruptly tapers to the tip; bristle black, stout, a little longer than the third joint, from which it proceeds at one-third of the length from the base, thickly feathered to the tip with rather long black hairs: chest adorned with four pale yellow stripes, its sides and the breast tinged with pale yellow: abdomen nearly linear, thinly clothed with black hairs, a little narrower and much longer than the chest: legs yellow, beset with black hairs and bristles; shanks darker, than the thighs; feet and tips of the fore thighs pitchy: claws black: wings tawny, brown along the fore border; cross-veins clouded with brown; wing-ribs and veins tawny; longitudinal veins straight; middle cross-vein straight; lower cross-vein parted by near twice its length from the middle cross-vein, and from the end of the fourth longitudinal vein, and by nearly half its length from the end of the fifth longitudinal vein, having two curves, the upper outward, much larger than the other, which is inward; poisers pale tawny. Length of the body 4 lines; of the wings 7 lines.

Var. β. Two rudiments of veins clouded with brown on the fourth longitudinal vein between the cross-veins.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. North America. Presented by the Entomological Club.

Group Phrosia, *Desv. Essai Myod.* 668.
Group Delina, *Desv. Essai Myod.* 669.
Group Volusia, *Desv. Essai Myod.* 674.
Group Sargella, *Desv. Essai Myod.* 674.
Group Myopina, *Desv. Essai Myod.* 675.
Group Cylidria, *Desv. Essai Myod.* 678.
Group Retellia, *Desv. Essai Myod.* 683.
Group Salticella, *Desv. Essai Myod.* 683.
Group Hydromya, *Desv. Essai Myod.* 691.
Group Dyctia, *Desv. Essai Mysod.* 692.
Group Melina, *Desv. Essai Myod.* 695.
Group Arina, *Desv. Essai Myod.* 696.
Group Chetocera, *Desv. Essai Myod.* 697.
Group Herbina, *Desv. Essai Myod.* 698.

OXYCEPHALA, *Macquart.*

OXYCEPHALA fuscipennis, *Macq. Dipt. Exot.* ii. 3, 198, *pl.* 26, *f.* 6. Sphecomya undata, *Harr. Cat. Ins. Massach.*
a. North America. Presented by the Entomological Club.

OXYCEPHALA nigripennis. Myopa nigripennis, *G. R. Gray, Griff. Anim. Kingd. pl.* 125, *f.* 5.
a. ——— ?

OXYCEPHALA latipennis, n. s., fem. *Ferruginea, capite fulvo, scutello abdominisque lateribus basi fulvis, palpis flavis, antennis ferrugineis, pedibus fulvis, alis subcinereis ad costam fulvis apice fuscis.*

Body ferruginous, thinly clothed with very short yellow hairs: head and chest beset with a few black bristles: head tawny, with a furrow on each side of the crown; a punctured space on each side between the eyes and the sides of the face, the latter without bristles: epistoma not prominent: eyes pitchy; all the facets large: sucker tawny, clothed with tawny hairs; palpi yellow, rather large, beset with black bristles: feelers bright ferruginous, lodged in rather deep furrows of the face, which they slightly exceed in length; first joint nearly linear; second increasing in depth from the base to the tip,

clothed with black hairs, about twice the length of the second; third conical, as long as the second and a little darker; bristle pale yellow, slender, bare, near thrice the length of the third joint; chest and breast with a hoary tinge; scutcheon tawny; abdomen spindle-shaped, a little longer than the chest, tawny on each side of the base, somewhat pitchy on the borders of the segments: legs tawny, clothed with very short yellow hairs; tips of the claws black: wings very slightly gray, tawny along the fore borders; a large brown spot just above each tip; wing-ribs and veins ferruginous, the latter pitchy here and there; upper basal cross-vein straight, slightly oblique; lower basal cross-vein much curved inward, a little nearer the base than the other; middle cross-vein pitchy, short, stout, straight, upright; lower cross-vein nearly upright, with a hardly perceptible inward curve, parted by much less than its length from the middle cross-vein, by a little more than its length from the end of the fourth longitudinal vein, and by little more than one-fourth of its length from the end of the fifth longitudinal vein; poisers yellow. Length of the body 6 lines; of the wings 12 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

HETEROMYZA, *Fallen*.

Group I.

HETEROMYZA oculata, *Fall. Heterom.* 2, 1. *Meig. Dipt.* vi. 46, 3. *Hal. Ent. Mag.* i. 168. *Macq. Hist. Nat. Dipt.* ii. 415, 2.

a. England.

HETEROMYZA buccata, *Fall. Heterom.* 2, 2. *Meig. Dipt.* vi. 47, 4. *Zett. Ins. Lapp.* 763, 1. H. atricornis? *Meig. Dipt.* vi. 46, 1. Actora buccata, *Hal. Ent. Mag.* i. 168.

a. England.
b. France.
c. Sweden. Presented by the Entomological Club.
d. Lapland. Presented by the Entomological Club.
e. Nova Scotia. From Lieut. Redman's collection.
f. Alten. Presented by F. Walker, Esq.

HETEROMYZA eriphides, *Barnston's MSS.*, mas. *Fusca, capite supra ferrugineo subtus albo, facie fulva, pectore albo, ventre cano antennis piceis, palpis pedibusque fulvis, tarsis piceis, alis fuscis.*

Body brown, clothed with black hairs and bristles: face tawny, its sides without bristles; epistoma not prominent; a white stripe on each side of the face; under side of the head white; crown dark

ferruginous; eyes red, whole of the fore part nearly flat, composed of much larger facets than those elsewhere: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: chest dark brown, its sides paler; breast white: feelers pitchy, a little shorter than the face; third joint conical, deep, about twice the length of the second joint, which is cup-shaped: abdomen dark brown, linear, longer and narrower than the chest, its sides paler and rather thickly clothed with long black hairs; underside hoary: legs dark tawny, clothed with very short black hairs; thighs with a hoary tinge; feet pitchy, tawny at the base; claws black; foot-cushions tawny: wings brown, long; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein very slightly curved inward, situated near the border, and about thrice its length distant from the middle cross-vein; scales gray, with tawny borders, very small; poisers tawny. Length of the body 2 lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

HETEROMYZA flavipes, *Barnston's MSS. Cinereo-nigra, capite ferrugineo albo micante, thorace fusco trivittato, pectore cano, antennis ferrugineis, palpis pedibusque fulvis, tarsis nigris, alis cinereis.*

Body black, with a gray covering, thinly clothed with black hairs and bristles: head ferruginous, gray behind; sides of the crown and front adorned with white lustre; sides of the face without bristles; epistoma not prominent: eyes red, not hairy; fore part rather flat; all the facets very small: sucker black, clothed with tawny hairs: palpi tawny, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint nearly round, a little longer than deep, more than twice the length of the second; bristle black, slender, almost bare, more than twice the length of the third joint; chest adorned with three broad brown stripes, the side pair interrupted: breast hoary: abdomen slightly tapering from the base to the tip, narrower but hardly longer than the chest: legs tawny, clothed with black hairs and bristles; feet black, tawny at the base; foot-cushions tawny: wings narrow, very long, dark gray; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein straight for one-fourth of the length from the base, slightly curved inward from thence to the tip; scales very small, gray with tawny borders; poisers tawny. Length of the body 2 lines; of the wings 5 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group II. Clusia, *Haliday.*

HETEROMYZA, flava, *Meig. Dipt.* vi. 46. Heteroneura spurca, *Hal. Ent. Mag.* i. 171. Clusia flava, *Hal. Ann. Nat. Hist.* 1839, 188. Helomyza flava? *Zett. Ins. Lapp.* 765, 4.
a. England. Presented by F. Walker, Esq.

HELOMYZA, *Fallen.*

Div. A. *Meig.*

Group Suillia, *Desv. Essai Myod.* 642.

HELOMYZA rufa, *Fall. Helom.* 4, 2. *Meig. Dipt.* vi. 49, 2. *Macq. Hist. Nat. Dipt.* ii. 410, 2. *Zett. Ins. Lapp.* 765, 3. Suillia fungorum, *Desv. Essai Myod.* 642, 2.
a. England.

HELOMYZA olens, *Meig. Dipt.* vi. 50, 4.
a. England.

HELOMYZA tigrina, *Fall. Heterom.* 4, 3. *Meig. Dipt.* vi. 53, 11. *Macq. Hist. Nat. Dipt.* ii. 412, 8.
a. England.

HELOMYZA griseola, *Meig. Dipt.* vi. 53, 12.
a. England.

Group Curtonotum, *Macquart.*

HELOMYZA gibba, *Wied. Auss. Zweif.* ii. 586, 1. Musca gibba, *Fabr. Syst. Antl.* 297, 70. Curtonotum gibbum, *Macq. Dipt. Exot.* ii. 3, 193, *pl.* 25, *f.* 6, 7.
a. Para. Presented by Reginald Graham, Esq.

HELOMYZA pantherina, n. s., mas. *Fulva, capite piceo vario, thorace fusco confertim guttato, pectore cano, abdomine piceo, palpis nigris, antennis ferrugineis apice nigris, pedibus fulvis, alis fuscis.*

Body thinly clothed with black hairs and bristles: head tawny, with two pitchy stripes on the crown from the eyelets to the base of each feeler; disk of the face pitchy, its sides with two or three bristles at the base; epistoma hardly prominent: eyes red, a small

portion of the fore part yellowish, rather flat, composed of larger facets than those elsewhere: sucker black, clothed with tawny hairs; palpi black, beset with black bristles: feelers ferruginous, hardly more than half the length of the face; third joint conical, dark ferruginous, black towards the tip, much longer than the second; bristle black, slender, much more than twice the length of the third joint, feathered on both sides with very long hairs: chest tawny, thickly crowded with small brown spots, one round the base of each hair; sides paler and blending with the hoary colour which adorns the breast; scutcheon armed with some long black spines: abdomen pitchy, spindle-shaped, narrower but not longer than the chest, adorned with hoary reflections above and beneath: legs tawny, clothed with black hairs and bristles; feet thickly beset with short black bristles; claws black: wings brown, darker on the fore border from the middle to the tip and along the borders of the veins; wing-ribs pitchy; veins black, pitchy at the base; lower cross-vein clouded with brown, nearly perpendicular, slightly curved inward in the middle part of its course, nearly four times its length distant from the middle cross-vein; poisers pale tawny, with yellow knobs. Length of the body 4½ lines; of the wings 9 lines.

a. Brazil.

Helomyza suffusa, n. s., fem. *Fulva, facie flava, abdominis apice et segmentorum tertii et quarti marginibus posticis piceis, palpis antennis pedibusque fulvis, tibiis anticis apice tarsisque piceis, alis fulvis fusco vittatis et bimaculatis.*

Body tawny, clothed with black hairs and bristles: face pale yellow, its sides without bristles; epistoma not prominent: eyes red; fore part rather flat, its facets larger than those elsewhere: sucker tawny, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny, shorter than the face; third joint conical, rounded at the tip, more than twice the length of the second; bristle black, slender, feathered on each side with moderately long hairs, full thrice the length of the third joint, tawny at the base: breast paler than the chest, somewhat yellowish: abdomen obconical, shorter and narrower than the chest; tip and hind borders of the third and fourth segments pitchy: legs pale tawny, clothed with black hairs and bristles; feet and tips of fore shanks pitchy; claws black: wings tawny, darker at the base, near which a brown stripe commences and runs along the border to the tip, which it includes with the exception of the hind border; two brown spots enclose the middle and lower cross-veins; wing-ribs tawny; veins black, tawny at the base; lower cross-vein nearly perpendicular, very slightly curved inward in the middle part of its course, distant by much

more than its length from the middle cross-vein; poisers yellow. Length of the body 4 lines; of the wings 7 lines.

a. ——— ?

HELOMYZA interjecta, n. s., fem. *Fulva, capite flavo vario, abdomine nigro-fasciato, palpis antennis pedibusque fulvis, alis fulvis fusco bimaculatis et ad costam vittatis.*

Body tawny, thinly clothed with black hairs and bristles: head yellow in front, and indistinctly striped with yellow on the crown; epistoma not prominent; face quite flat, without hairs or bristles: eyes red; fore part flat, composed of much larger facets than those elsewhere: sucker tawny, clothed with pale tawny hairs: palpi tawny, beset with black bristles: feelers tawny, much shorter than the face; third joint conical, rather deep, rounded at the tip, about thrice the length of the second; bristle black, slender, feathered with hairs of moderate length at the base, about thrice the length of the third joint: breast pale tawny: abdomen obconical, narrower but not longer than the chest; hind borders of the second and of the following segments black; tip also black: legs tawny, clothed with black hairs and with a few black bristles; tips of the claws black; fore thighs armed beneath with a row of long stout black bristles: wings tawny; a brown stripe passes from one-fourth of the length of the fore border to the tip, where it widens and becomes paler and blends with the gray of the hind border; two brown spots enclose the middle and lower cross-veins; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein straight, with the exception of a very slight inward curve in the middle of its course, more distant by half than its length from the middle cross-vein; poisers tawny. Length of the body 3 lines; of the wings 6 lines.

a. Venezuela. From Mr. Dyson's collection.

HELOMYZA tincta, n. s., fem. *Ferruginea, abdominis basi apiceque fulvis, palpis fulvis, pedibus ferrugineis, alis cinereis costa nervorumque marginibus fulvis.*

Body ferruginous, clothed with short black hairs: head and chest beset with a few black bristles: head with a hoary tinge behind; sides of the face without bristles; epistoma not prominent: eyes pitchy; facets small: sucker pitchy, clothed with tawny hairs; palpi tawny, beset with black bristles: feelers tawny at the base: abdomen linear, pitchy, a little narrower and very much longer than the chest, tawny at the base, tapering towards the tip, which is also tawny: legs pale ferruginous, clothed with short black hairs; tips of the shanks beset with black bristles; claws black, ferruginous at

the base; foot-cushions pale tawny: wings gray, tawny for some breadth beneath the fore border and along the veins in the disk; wing-ribs and veins tawny; longitudinal veins straight; middle cross-vein straight, upright; lower cross-vein straight, very slightly oblique, parted by more than twice its length from the middle cross-vein, by thrice its length from the end of the fourth longitudinal vein, and by near half its length from the end of the fifth longitudinal vein; poisers tawny; scales yellow, very small. Length of the body 3¾ lines; of the wings 6½ lines.

a. Nova Scotia. From Lieut. Redman's collection.

HELOMYZA quadrimacula, n. s., mas. *Fulva, lateribus subtusque flava, palpis flavis, antennis pedibusque fulvis, tarsis ferrugineis, alis fulvis fusco quadrimaculatis.*

Body pale tawny, yellow on each side and beneath, thinly clothed with black hairs: head and chest beset with a few black bristles: sides of the face without bristles; epistoma not prominent: eyes red, with a coppery tinge, fringed with short black hairs; fore part rather flat, its facets a little larger than those elsewhere: sucker and palpi yellow: feelers tawny, a little shorter than the face; third joint conical, downy, twice the length of the second; bristle black, tawny at the base, much more than twice the length of the third joint, feathered to the tip on both sides with rather long black hairs: abdomen obconical, narrower and a little shorter than the chest: legs tawny, thinly clothed with very short black hairs; feet ferruginous; claws black; thighs beset with rows of short black bristles: wings tawny, each adorned with four brown spots, one on each cross-vein, the third near the tip, descending from the fore border into the disk, and approaching the fourth which is near the hind border; wing-ribs and veins tawny, the latter darker towards the tips, pitchy in the brown parts of the wing; longitudinal veins straight; middle cross-vein straight, slightly oblique; lower cross-vein nearly straight, slightly oblique, parted by nearly twice its length from the middle cross-vein, by much more than twice its length from the end of the fourth longitudinal vein, and by half its length from the end of the fifth longitudinal vein, which does not reach the hind border; poisers tawny. Length of the body 1¼ line; of the wings 3 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Div. B. *Meig.*

Group Æcothea, *Haliday.*

HELOMYZA fenestralis, *Fall. Heterom.* 5, 5. *Meig. Dipt.* vi. 56, 18. Blephariptera fenestralis, *Macq. Hist. Nat. Dipt.* ii. 414, 9. Æcothea fenestralis, *Haliday, Ann. Nat. Hist.* 1839, 187.
a. England.

Group Blephariptera, *Macq.*

HELOMYZA inscripta, *Meig. Dipt.* vi. 59, 26. Blephariptera inscripta, *Macq. Hist. Nat. Dipt.* ii. 414, 10.
a. England.

HELOMYZA fasciata, n. s. *Cinerea, capite albo micante, humeris ferrugineis, abdomine fulvo suturis nigris, antennis nigris basi ferrugineis, pedibus fulvis, tarsis nigris, alis fulvo subcinereis.*

Body clothed with black hairs and bristles: head gray, adorned with white reflections on each side of the crown and on the fore part, which is tawny; sides of the face without bristles; epistoma not prominent: eyes red, convex; all the facets very small: sucker black, clothed with tawny hairs: feelers black, nearly as long as the face; third joint slightly conical, rather deep, rounded at the tip, very much longer than the second joint; first and second joints dark ferruginous; bristle bare, rather stout at the base, more than twice the length of the third joint: chest and breast gray: chest with a tawny tinge; shoulders ferruginous; breast more hoary: abdomen tawny, shining, spindle-shaped, a little longer than the chest, slender at the tip; sutures of the segments black: legs tawny, clothed with black hairs and bristles; feet black, tawny at the base; foot-cushions very small: wings pale gray, with a very slight tawny tinge; wing-ribs pale tawny; veins pitchy, pale tawny towards the base; lower cross-vein parted by much less than twice its length from the middle cross-vein, having two very indistinct curves, the lower outward, the upper inward; scales very small, whitish, with pale yellow borders; poisers tawny. Length of the body 2 lines; of the wings 4 lines.

a. Nova Scotia. From Lieut. Redman's collection.

HELOMZYA? lateralis, n. s., fem. *Fulva, thoracis lateribus fusco vittatis, pectore abdomineque flavis, hujus maculis apiceque flavis, palpis antennis pedibusque fulvis, alis subfulvis apice fusco maculatis.*

Body tawny, beset with a few long and stout black bristles: head and chest without hairs: epistoma not prominent; face flat, adorned with a black stripe on each side, its sides without bristles: eyes red, slightly convex; facets on the hind part smaller than those elsewhere: sucker pale tawny, clothed with tawny hairs; palpi pale tawny: feelers tawny, much shorter than the face; third joint nearly round, longer than the second; bristle black, slender, downy, full thrice the length of the third joint: a brown stripe along each side of the chest: breast yellow: abdomen yellow, slightly tapering from the base to the tip, narrower and much longer than the chest, clothed with black hairs and bristles; a large pitchy spot extends from the fore border as far as the middle on each side of every segment; tip of the abdomen also pitchy: legs tawny, clothed with short black hairs and with a few black bristles; claws black; fore feet, with the exception of the first joint, dark tawny; wings slightly tawny; a large brown spot at the tip, paler towards the hinder border, on approaching which it disappears; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein curved inward, distant by thrice its length from the middle cross-veins; poisers yellow. Length of the body 3 lines; of the wings 5 lines.

a. North America. Presented by the Entomological Club.

Group Leria, *Desv. Essai Myod.* 653.

Group Thelida, *Desv. Essai Myod.* 655.

Group Lentiphora, *Desv. Essai Myod.* 656.

Group Orbèlia, *Desv. Essai Myod.* 656.

DICHÆTA, *Meigen.*

DICHÆTA caudata, *Meig. Dipt.* vi. 62, 1, *pl.* 58, *f.* 1—6. *Macq. Hist. Nat. Dipt.* ii. 521, 1, *pl.* 21, *f.* 8. Notiphila caudata, *Fall. Act. Holm.* 1813, 249, 1. *Hydromyz.* 8, 1. *Zett. Ins. Lapp.* 717, 2. *Haliday, Ann. Nat. Hist.* iii. 222, 4. *Stenh. Monogr.* 194, 1. *Zett. Dipt. Scand.* v. 1853, 1.

a. Aix-la-Chapelle. Presented by F. Walker, Esq.

Notiphila, *Fallen.*

Group Keratocera, *Desv. Essai Myod.* 288.

Notiphila cinerea, *Fall. Act. Holm.* 1813, 250, 2. *Hydromyz.* 8, 2. *Meig. Dipt.* vi. 64, 1. *Macq. Hist. Nat. Dipt.* ii. 521, 1, *pl.* 21, *f.* 9. *Haliday, Ann. Nat. Hist.* iii. 222, 1. *Zett. Ins. Lapp.* 717, 1. *Stenh. Monogr.* 200, 5, *f.* 11—15. *Zett. Dipt. Scand.* v. 1855, 2. Keratocera palustris, *Desv. Essai Myod.* 788, 1. K. trapæ, *Desv. Essai Myod.* 789, 3. K. fulvicornis, *Desv. Essai Myod.* 789, 4.

a. England.
b. France.

Group Hydrellia, *Desv. Essai Myod.* 790.

Notiphila griscola, *Fall. Act. Holm.* 1813, 250. *Hydromyz.* 9, 5. *Meig. Dipt.* vi. 66, 6, *pl.* 58, *f.* 13? *Zett. Ins. Lapp.* 717, 3. *Stenh. Monogr.* 220, 20. *Zett. Dipt. Scand.* v. 1869, 12. Hydrellia communis, *Desv. Essai Myod.* 791, 1? H. griseola, *Macq. Hist. Nat. Dipt.* ii. 523, 1, *pl.* 21, *f.* 10. *Hal. Ann. Nat. Hist.* iii. 403, 7.

a. England. Presented by F. Walker, Esq.

Notiphila chrysostoma, *Meig. Dipt.* vi. 67, 8. *Zett. Dipt. Scand.* v. 1872, 14. Hydrellia viridescens? *Desv. Essai Myod.* 793, 10. H. chrysostoma, *Hal. Ann. Nat. Hist.* iii. 403, 8. *Meig. Dipt.* vii. 373, 9.

a. England. Presented by F. Walker, Esq.

Notiphila albiceps, *Meig. Dipt.* vi. 68, 11. Hydrina fuliginosa? *Desv. Essai Myod.* 793, 8. Hydrillia argyria? *Desv. Essai Myod.* 793, 11. H. albiceps, *Macq. Hist. Nat. Dipt.* ii. 526, 15. *Hal. Ann. Nat. Hist.* iii. 403, 10.

a. England. Presented by F. Walker, Esq.

Notiphila erythrostoma, *Meig. Dipt.* vi, 69, 14. Hydrellia erythrostoma, *Macq. Hist. Nat. Dipt.* ii. 526, 16. *Hal. Ann. Nat. Hist.* iii. 403, 11.

a. England. Presented by F. Walker, Esq.

Group Atissa, *Hal. Ann. Nat. Hist.* iii. 404.

Group Glenanthe, *Hal. Ann. Nat. Hist.* iii. 404.

NOTIPHILA nigriceps, *Meig. Dipt.* vi. 67, 7. Hydrellia brunifacies? *Desv. Essai Myod.* 792, 7. H. nigriceps, *Macq. Hist. Nat. Dipt.* ii. 523, 2.
a. England. Presented by F. Walker, Esq.

NOTIPHILA leucostoma, *Meig. Dipt.* vi. 68, 12, *pl.* 58, *f.* 12. *Hal. Ann. Nat. Hist.* iii. 223, 8. Hydrellia leucostoma, *Macq. Hist. Nat. Dipt.* ii. 524, 7. *Meig. Dipt.* vii. 373, 11. Psilopa leucostoma, *Zeit. Dipt. Scand.* v. 1936, 4.
a. England. Presented by F. Walker, Esq.

Group Discocerina, *Macq.*

NOTIPHILA calceata, *Meig. Dipt.* vi. 69, 16. *Hal. Ann. Nat. Hist.* iii. 224, 10.
a. England. Presented by F. Walker, Esq.

NOTIPHILA ——— ?
a. Clermont, Auvergne. Presented by the Entomological Club.

NOTIPHILA obscurella? *Fall. Act. Holm.* 1813, 251. *Hydromyz.* 10. *Meig. Dipt.* vi. 73, 29. *Hal. Ann. Nat. Hist.* iii. 224, 9. N. nigrina, *Meig. Dipt.* vi. 69, 17. *Zett. Dipt. Scand.* v. 1887, 26. Hydrellia nigrina, *Macq. Hist. Nat. Dipt.* ii. 524, 3. *Meig. Dipt.* vii. 373, 14. Psilopa, *Stenh. Monogr.* 258, 6.
a. England. Presented by F. Walker, Esq.

NOTIPHILA glabra, *Meig. Dipt.* vi. 69, 15. *Hal. Ann. Nat. Hist.* iii. 224, 12. Discocerina glabra, *Macq. Hist. Nat. Dipt.* ii. 528, 4.
a. England. Presented by F. Walker, Esq.

Group Hecamede, *Haliday, Ann. Nat. Hist.* iii. 224.

NOTIPHILA albicans, *Meig. Dipt.* vi. 65, 3. *Macq. Hist. Nat. Dipt.* ii. 522, 6. *Hal. Ann. Nat. Hist.* iii. 224, 13.
a. England. Presented by F. Walker, Esq.

Group Psilopa, *Fallen.*

NOTIPHILA madizans, *Fall. Act. Holm.* 1813, 252, 8. *Meig. Dipt.* vi. 74, 32. *Hal. Ent. Mag.* i. 178. *Ann. Nat. Hist.* iii. 223, 6. N. nigella, *Meig. Dipt.* vi. 72, 26. Psilopa madizans, *Fall. Hydrom.* 7, 2. *Zett. Ins. Lapp.* 718, 1. *Stenh. Monogr.* 263, 11. *Zett. Dipt. Scand.* v. 1937, 5. Trimerina madizans, *Macq. Hist. Nat. Dipt.* ii. 529, 2. Hydrellia nigella, *Meig. Dipt.* vii. 373, 20.

a. England. Presented by F. Walker, Esq.

Group Hygrella, *Haliday.*

NOTIPHILA nitidula, *Fall. Act. Holm.* 1813, 252. *Meig. Dipt.* vi. 75, 34. *Hal. Ann. Nat. Hist.* iii. 223, 7. Psilopa nitidula, *Fall. Act. Holm.* 1813, 252, 9. *Hydrom.* 7, 4. *Zett. Ins. Lapp.* 719, 2. *Dipt. Scand.* v. 1932, 1. *Sten. Mon. Ephyd.* 261, 8. Notiphila compta, *Meig. Dipt.* vi. 68, 13. Hydrellia compta, *Macq. Hist. Nat. Dipt.* ii. 524, 8. Keratocera viridescens? *Desv. Essai Myod.* 790, 10.

a. England. Presented by F. Walker, Esq.

b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

NOTIPHILA smaragdi, n. s., fem. *Viridis, æneo varia, capite nigro, palpis antennis pedibusque nigris, tarsis basi tibiisque posterioribus piceis, alis limpidis ad costam subfulvis.*

Body bright green, brassy here and there, clothed with short black hairs: head and chest beset with a few black bristles: head black; epistoma not prominent: eyes red; fore part rather flat, its facets a little larger than those elsewhere: sucker and palpi black; feelers black, nearly as long as the face; third joint linear, rounded at the tip, more than twice the length of the second; bristle downy, almost filiform, nearly twice the length of the third joint; abdomen obconical, not longer than the chest: legs black, beset with black bristles; feet towards the base and four hind shanks pitchy; wings colourless, slightly tawny along the fore border; wing-ribs and veins pale tawny; longitudinal veins straight, first widened towards the tip; middle cross-vein very short; lower cross-vein oblique, slightly curved inward, parted by more than twice its length from the middle cross-vein, by more than thrice its length from the end of the fourth longitudinal vein, and by less than its length from the end of the

fifth longitudinal vein; poisers tawny; scales colourless, small. Length of the body 1—1¼ line; of the wings 2—2½ lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Obs.—The two following species do not belong to the preceding group.

NOTIPHILA repleta, n. s., mas. *Ferruginea, abdomine nigro fasciis canis ornato, palpis nigris, antennis pedibusque ferrugineis, alis fuscis quinque maculatis ad costam cinereo-fulvis.*

Body clothed with short black hairs: head and chest beset with black bristles; head bright ferruginous; epistoma not prominent: eyes red; all the facets very small: sucker and palpi black: feelers dark ferruginous, much shorter than the face; third joint longer than the second; bristle black, feathered on both sides with rather long hairs, full thrice the length of the third joint: chest dark ferruginous; abdomen black, shining, a little longer and narrower than the chest; a hoary band on the hind border of each segment: legs ferruginous, beset with black hairs and bristles; claws black: wings brown, grayish tawny along the fore border, adorned with five colourless spots, one on the hind border near the base, two in the disk, the upper one consisting of three spots joined together, and two near the tip; wing-ribs and veins black, longitudinal veins straight; middle cross-vein very short; lower cross-vein with two very slight curves, (the upper inward, the lower outward), parted by much more than twice its length from the middle cross-vein, by near thrice its length from the end of the fourth longitudinal vein, and by full half its length from the end of the fifth longitudinal vein. Length of the body 1¼ line; of the wings 2½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

NOTIPHILA producta, n.s. *Picea, angusta, thorace ferrugineo vittis tribus canis, palpis antennisque nigris, pedibus piceis, alis cinereis, venis fusco limbatis.*

Allied to *Diastata*. Body rather narrow, pitchy, clothed with very short black hairs: head and chest beset with black bristles: head somewhat hoary in front: eyes red; all the facets very small: sucker, palpi, and feelers black: chest dark ferruginous, adorned with three indistinct hoary stripes: abdomen shining, spindle-shaped, a little longer than the chest: legs pitchy, clothed with very short hairs; claws black; wings gray, slightly notched at the end of the first longitudinal vein, brown along the borders of the veins; wing-ribs and veins black; longitudinal veins straight, with the ex-

ception of the fifth, which forms a slightly obtuse angle at the junction with the lower cross-vein, the latter is nearly upright, hardly curved outward, parted by thrice its length from the middle cross-vein, by four times its length from the end of the fourth longitudinal vein, and by less than its length from the end of the fifth longitudinal vein; poisers pitchy. Length of the body ¾ lines; of the wings 1¼ line.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group Nupharia, *Desv. Essai Myod.* 785.

DISCOMYZA, *Meigen.*

DISCOMYZA incurva, *Meig. Dipt.* vi. 76, *pl.* 58, *f.* 14—17. *Macq. Hist. Nat. Dipt.* ii. 529, *pl.* 21, *f.* 13. *Stenh. Monogr.* 265, 1. Psilopa incurva, *Fall. Hydrom.* 6, 1. *Zett. Dipt. Scand.* v. 1941, 7. Notiphila incurva, *Hal. Ann. Nat. Hist.* iii. 223, 5.

a. England. Presented by F. Walker, Esq.

Group Dryxo, *Desv. Essai Myod.* 787.

OCHTHERA, *Latreille.*

OCHTHERA Mantis, *Latr. Hist. Nat.* xiv. 391. *Gen. Crust.* iv. 347, *pl.* 15, *f.* 10. *Meig. Dipt.* vi. 78, *pl.* 58, *f.* 18—21. *Macq. Hist. Nat. Dipt.* ii. 519, *pl.* 21, *f.* 7. *Hal. Ann. Nat. Hist.* iii. 220, 1. *Loew, Ent. Zeit. Stett.* viii. 371, 1. O. manicata, *Fall. Kongl. Vet. Acad. Handl.* 1813, 244. *Desv. Essai Myod.* 787, 1. Musca manicata, *Fabr. Ent. Syst.* iv. 334. M. Mantis, *De Geer, Mém.* vi. 143, *pl.* 8, *f.* 15, 16. Tephritis manicata, *Fabr. Syst. Antl.* 323.

a. England.
b. Ireland. Presented by F. Walker, Esq.
c. ——— ? From Mr. Children's collection.

OCHTHERA empidiformis ? *Say, Journ. Acad. Philad.* iii. 99. *Wied. Auss. Zweif.* ii. 446.

a. Florida. Presented by E. Doubleday, Esq.

EPHYDRA, *Fallen.*

Group I. Hydrina, *Desv. Essai Myod.* 794.

Div. 1. *Hal. Ann. Nat. Hist.* iii. 405.

EPHYDRA picta, *Meig. Dipt.* vi. 125, 30. *Hal. Ann. Nat. Hist.* iii. 405, 1. Notiphila picta, *Fall. Act. Holm.* 1813, 254, 12. *Hydrom.* 11, 13. *Stenh. Monogr.* 213, 37. *Zett. Dipt. Scand.* v. 1913, 46. N. pullula, *Fall. Hydrom.* 11, 10.
a. England. Presented by F. Walker, Esq.

Div. 2. *Hal. Ann. Nat. Hist.* iii. 405.

EPHYDRA punctato-nervosa, *Meig. Dipt.* vi. 123, 24. *Hal. Ann. Nat. Hist.* iii. 405, 2. Notiphila punctato-nervosa, *Fall. Act. Holm.* 1813, 254, 13. *Hydromyz.* 12, 14. *Stenh. Monogr.* 247, 41. *Zett. Dipt. Scand.* v. 1921, 51.
a. England. Presented by F. Walker, Esq.

EPHYDRA flavipes, *Meig. Dipt.* vi. 123, 25. *Hal. Ann. Nat. Hist.* iii. 405, 3. Notiphila flavipes, *Fall. Hydromyz.* 12, 15. *Stenh. Monogr.* 244, 38, *f.* 30. *Zett. Dipt. Scand.* v. 1916, 48.
a. England. Presented by F. Walker, Esq.

EPHYDRA stictica, *Meig. Dipt.* vi. 121, 21. *Macq. Hist. Nat. Dipt.* ii. 539, 14. *Hal. Ann. Nat. Hist.* iii. 405, 4.
a. England. Presented by F. Walker, Esq.

EPHYDRA interstincta, *Meig. Dipt. Europ.* vi. 122, 23? *Macq. Hist. Nat. Dipt.* ii. 539, 16? *Hal. Ann. Nat. Hist.* iii. 405, 5. Notiphila interstincta, *Fall. Act. Holm.* 1813, 254, 16. *Zett. Dipt. Scand.* v. 1917, 50. *Hydrom.* 12, 16. *Stenh. Monogr.* 246, 40? Hydrina maculipennis, *Desv. Essai Myod.* 795, 5.
a. England. Presented by F. Walker, Esq.

EPHYDRA posticata, *Meig. Dipt.* vi. 124, 27. *Macq. Hist. Nat. Dipt.* ii. 539, 17. *Hal. Ann. Nat. Hist.* iii. 406, 7. Notiphila nigricauda? *Stenh. Monogr. Ephyd.* 248, 42. *Zett. Dipt. Scand.* v. 1923, 52.
a. England. Presented by F. Walker, Esq.

Group II. Hyadina, *Hal. Ann. Nat. Hist.* iii. 406.

Ephydra guttata, *Meig. Dipt.* vi. 125. *Hal. Ann. Nat. Hist.* iii. 406, 8. E. nitida, *Macq. Hist. Nat. Dipt.* ii. 539. Notiphila guttata, *Fall. Act. Holm.* 1813, 253, 11. *Hydromyz.* 11, 12. *Zett. Ins. Lapp.* 718, 7. *Stenh. Monogr.* 239, 34, var. *a.*, *f.* 28. *Zett. Dipt. Scand.* v. 1914, 47. Hydrina vernalis, *Desv. Essai Myod.* 795, 1.
a. England. Presented by F. Walker, Esq.

Group III. Axysta, *Hal. Ann. Nat. Hist.* iii. 406.

Group IV. Pelina, *Hal. Ann. Nat. Hist.* iii. 407.

Ephydra ænea, *Meig. Dipt.* vi. 124, 29. *Hal. Ann. Nat. Hist.* iii. 407, 11. E. glabricula, *Meig. Dipt.* vi. 121, 19. *Macq. Hist. Nat. Dipt.* ii. 538, 11. Notiphila ænea, *Fall. Act. Holm.* 1813, 253, 10. *Hydromyz.* 11, 11. *Stenh. Monogr. Ephyd.* 209, 12. *Zett. Dipt. Scand.* v. 1926, 54.
a. England. Presented by F. Walker, Esq.

Group V. Napæa, *Desv. Essai Myod.* 799.

Div. 1. *Hal. Ann. Nat. Hist.* iii. 407.

Ephydra coarctata, *Fall. Act. Holm.* 1813, 247. *Hydromyz.* 4, 4. *Meig. Dipt.* vi. 116, 7. *Hal. Ann. Nat. Hist.* iii. 407, 12. *Stenh. Monogr. Ephyd.* 189, 16. *Zett. Dipt. Scand.* v. 1821, 8. E. rufitarsis, *Macq. Hist. Nat. Dipt.* ii. 536, 3, *pl.* 22, *f.* 2. Napæa stagnicola major, *Desv. Essai Myod.* 800.
a. England. Presented by F. Walker, Esq.

Ephydra littoralis, *Meig. Dipt. Europ.* vi. 116, 6, *pl.* 60, *f.* 8. *Macq. Hist. Nat. Dipt.* ii. 536, 2. *Hal. Ann. Nat. Hist.* iii. 407. *Stenh. Monogr.* 188, 15. *Zett. Dipt. Scand.* v. 1824, 10. Napæa stagnicola? *Desv. Essai Myod.* 799, 1.
a. ——? Presented by F. Walker, Esq.

Ephydra 4-punctata, *Meig. Dipt.* vi. 107, 8. *Macq. Hist. Nat. Dipt.* ii. 536, 4.
a. England. Presented by F. Walker, Esq.
b. Alten. Presented by F. Walker, Esq.

Div. 2. *Hal. Ann. Nat. Hist.* iii. 407.

EPHYDRA aquila, *Fall. Hydromyz.* 4, 3. *Meig. Dipt.* vi. 117, 10. *Macq. Hist. Nat. Dipt.* ii. 537, 6. *Hal. Ann. Nat. Hist.* iii. 407, 14. *Zett. Ins. Lapp.* 716, 3. *Stenh. Monogr.* 187, 14. *Zett. Dipt. Scand.* v. 1819, 7.
a. England. Presented by F. Walker, Esq.

EPHYDRA fossarum, *Hal. Ent. Mag.* i. 175. *Ann. Nat. Hist.* iii. 407, 15.
a. England. Presented by F. Walker, Esq.

Group VI. Ilythea, *Hal. Ann. Nat. Hist.* iii. 408.

EPHYDRA spilota, *Hal. Curt. Brit. Ent.* 413. *Ann. Nat. Hist.* iii. 408, 18. *Curt. Brit. Ent.* 413.
a. Alten. Presented by F. Walker, Esq.

Group VII. Cœnia, *Desv. Essai Myod.* 800.

Div. 1. *Hal. Ann. Nat. Hist.* iii. 408.

EPHYDRA palustris, *Fall. Hydromyz.* 4, 2. *Meig. Dipt.* vi. 115, 2. *Hal. Ann. Nat. Hist.* iii. 408, 20. *Zett. Ins. Lapp.* 716, 2. *Stenh. Monogr.* 172, 4. *Zett. Dipt. Scand.* v. 1815, 4. Cœnia caricicola, *Desv. Essai Myod.* 800, 1. C. palustris, *Macq. Hist. Nat. Dipt.* ii. 530, 1.
a. England. Presented by F. Walker, Esq.

EPHYDRA obscura, *Meig. Dipt.* vi. 115, 3. Cœnia obscura, *Macq. Hist. Nat. Dipt.* ii. 530, 2.
a. England. Presented by F. Walker, Esq.

Div. 2. *Hal. Ann. Nat. Hist.* iii. 400.

EPHYDRA defecta, *Hal. Ent. Mag.* i. 174. *Ann. Nat. Hist.* iii. 408, 21.
a. England. Presented by F. Walker, Esq.

Group VIII. Scatella, *Desv. Essai Myod.* 801.

EPHYDRA æstuans, *Hal. Ent. Mag.* i. 176. *Ann. Nat. Hist.* iii. 409, 25.
a. England. Presented by F. Walker, Esq.
b. Karasuwandra, Lapland. Presented by F. Walker, Esq.

EPHYDRA stagnalis, *Fall. Act. Holm.* 1813, 248. *Hydromyz.* 5, 5. *Meig. Dipt.* vi. 118, 12. *Macq. Hist. Nat. Dipt.* ii. 537, 7. *Zett. Ins. Lapp.* 716, 4. *Stenh. Monogr.* 178, 8. *Zett. Dipt. Scand.* v. 1827, 13. E. buccata, *Hal. Ann. Nat. Hist.* iii. 409, 26. Scatella buccata, *Desv. Essai Myod.* 801, 1.
a. England. Presented by F. Walker, Esq.
b. Haparanda. Presented by F. Walker, Esq.

EPHYDRA lutosa, *Hal. Ent. Mag.* i. 176. *Ann. Nat. Hist.* iii. 409, 27.
a. England. Presented by F. Walker, Esq.

EPHYDRA noctula, *Meig. Dipt.* vi. 119, 14. *Macq. Hist. Nat. Dipt.* ii. 537, 8. *Hal. Ann. Nat. Hist.* iii. 409, 29. *Zett. Dipt. Scand.* v. 1844, 25?
a. England. Presented by F. Walker, Esq.
b. Haparanda. Presented by F. Walker, Esq.
c. Alten. Presented by F. Walker, Esq.

EPHYDRA quadrata, *Fall. Hydromyz.* 5, 6. *Meig. Dipt.* vi. 119, 15. *Macq. Hist. Nat. Dipt.* ii. 538, 9. *Hal. Ann. Nat. Hist.* iii. 410, 31. *Zett. Ins. Lapp.* 716, 5. *Stenh. Monogr.* 182, 12, var. *a.* *Zett. Dipt. Scand.* v. 1840, 23. Notiphila quadrata, *Fall. Act. Holm.* 1813, 255. Ephydra graminum, *Hal. Ent. Mag.* i. 410, 33.
a. England. Presented by F. Walker, Esq.
b. Haparanda. Presented by F. Walker, Esq.

EPHYDRA lacustris, *Meig. Dipt.* vi. 118, 11.
a. England. Presented by F. Walker, Esq.
b. France.
c. Upsal. Presented by F. Walker, Esq.
d. Haparanda. Presented by F. Walker, Esq.

EPHYDRA quadriguttata, *Meig. Dipt.* vi. 120, 16. *Macq. Hist. Nat. Dipt.* ii. 538, 10. *Hardy, Zoologist*, 2099.
a. England. Presented by F. Walker, Esq.

Group IX. Teichomyza, *Macquart.*

EPHYDRA fusca, *Hal. Ann. Nat. Hist.* iii. 410, 32. Teichomyza fusca, *Macq. Hist. Nat. Dipt.* ii. 535, 1, *pl.* 22, *f.* 1.
a. England. Presented by F. Walker, Esq.
b. Belgium. From Mr. Walker's collection.

Group X. Ephydra, *Hal. Ann. Nat. Hist.* iii. 410.

EPHYDRA riparia, *Fall. Act. Holm.* 1813, 246. *Hydromyz.* 3, 1. *Meig. Dipt.* vi. 117, 9. *Macq. Hist. Nat. Dipt.* ii. 537, 5. *Hal. Ann. Nat. Hist.* iii. 410, 33. *Zett. Ins. Lapp.* 715, var. *b. Stenh. Monogr.* 169, 2. *Zett. Dipt. Scand.* v. 1807, 1. E. albula, *Meig. Dipt.* vi. 115, 4, fem.? E. salinarum, *Bouché, Naturg. Ins.* i. 99, *pl.* 6. *f.* 13—14.
a. England. Presented by F. Walker, Esq.

Group XI. Canace, *Hal. Ann. Nat. Hist.* iii. 411.

EPHYDRA nasica, *Hal. Ann. Nat. Hist.* iii. 411, 35.
a. England. Presented by F. Walker, Esq.

Obs.—The following species of Ephydra are not arranged according to the preceding groups.

EPHYDRA glauca, *Meig. Dipt.* vi. 120, 18.
a. England. Presented by F. Walker, Esq.

EPHYDRA glabricula, *Meig. Dipt.* vi. 121, 19. *Macq. Hist. Nat. Dipt.* ii. 538, 11.
a. England. Presented by F. Walker, Esq.

EPHYDRA melanostoma, *Meig. Dipt.* vi. 123, 26.
a. England. Presented by F. Walker, Esq.

EPHYDRA picea, n. s., fem. *Fusca, abdomine piceo, palpis antennis pedibusque nigris, alis fuscis maculis quatuor limpidis unaque picea ornatis.*

Body dark brown: head and chest beset with black bristles: eyes pitchy; sucker, palpi, and feelers black; third joint of the feelers conical, longer than the second; bristle stout, bare, tapering, near thrice the length of the third joint: abdomen pitchy, elliptical, flat, a little longer than the chest: legs black; foot-cushions tawny: wings dark brown; the disk adorned with four colourless spots; a small pitchy spot at the tip of the first longitudinal vein; wing-ribs and veins black: tip of the second longitudinal vein not curved upward; poisers tawny. Length of the body 1 line; of the wings 2 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

EPHYDRA oscitans, n. s., *Barnston's MSS. Fusca, subtus cana, palpis antennisque nigris, pedibus nigro-cinereis, alarum fuscarum maculis plurimis limpidis ad costam quadratis.*

Body hoary beneath: head and chest dark brown, beset with black bristles: eyes pitchy: sucker, palpi, and feelers black; third joint of the feelers conical, longer than the second; bristle bare thrice the length of the third joint: legs black, tinged with gray: wings dark brown, adorned with numerous colourless spots, which along the fore border are more distinct than elsewhere, and of a nearly square shape; wing-ribs and veins black; poisers pitchy. Length of the body ¾ line; of the wings 1½ line.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

EPHYDRA octo-notata, *Barnston's MSS. Fusca, facie lateribus albidis, thorace vittis duabus canis ornato, palpis piceis, antennis nigris, pedibus nigro-cinereis, alis cinereis sublimpido quadrimaculatis.*

Body brown: head and chest beset with a few bristles: sides of the face whitish: eyes red; facets of the fore part a little larger than those elsewhere: sucker and palpi pitchy: feelers black, shorter than the face; third joint conical, a little longer than the second; bristle stout, downy, tapering, rather more than twice the length of the third joint: chest slightly metallic, adorned with two hoary stripes: legs black, tinged with gray; under side of feet and of fore shanks clothed with ferruginous down: wings dark gray, each adorned with four almost colourless spots, one beneath the second longitudinal vein, and very near another which is beyond the middle cross-vein; the third and the fourth are on either side of the lower cross-vein; wing-ribs and veins black; tip of the second longitudinal vein curved upward to the fore border; fifth longitudinal vein slightly curved upward till it joins the lower cross-vein, whence it proceeds to the hind border, forming a very obtuse angle; lower cross-vein straight, upright, parted by four times its length from the middle cross-vein and from the end of the fourth longitudinal vein, and by more than half its length from the end of the fifth longitudinal vein; poisers pitchy. Length of the body ¾ line; of the wings 1½ line.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

EPHYDRA striata, *Barnston's MSS. Fusca, thorace vittis quinque canis ornato, abdomine pedibusque nigro-cinereis, palpis antennisque nigris, alis fuscis limpido decem-maculatis.*

Head and chest dark brown, beset with a few black bristles: eyes pitchy: sucker, palpi, and feelers black; third joint of the feelers conical, longer than the second; bristle bare, tapering, more than twice the length of the third joint: five interrupted hoary stripes on the chest; a hoary spot on the tip of the scutcheon: abdomen obconical, black, tinged with gray, thinly clothed with black hairs, a little shorter and much narrower than the chest: legs black, tinged with gray; under side of feet and of fore shanks clothed with ferruginous down; wings dark brown, adorned with ten colourless spots, two between the second and the third longitudinal veins, the first of these is much more distinct than any of the other spots; three between the third and the fourth longitudinal veins; two on the near side and two beyond the lower cross-vein, one near the hind border; wing-ribs and veins black; tip of the second longitudinal vein not curved upward; fifth longitudinal vein straight till it joins the lower cross-vein, whence it proceeds to the hind border, forming an obtuse angle; lower cross-vein straight, slightly oblique, parted by much more than twice its length from the middle cross-vein, by more than thrice its length from the end of the fourth longitudinal vein, and by a little less than its length from the end of the fifth longitudinal vein; poisers pitchy. Length of the body ¾ line; of the wings 1½ line.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Group Saphæa, *Desv. Essai Myod.* 796.

DROSOPHILA, *Fallen.*

DROSOPHILA cellaris, *Macq. Hist. Nat. Dipt.* ii. 549, 2. D. funebris, *Fall. Geomyz. Meig. Dipt.* vi. 82, 2. *Zett. Ins. Lapp.* 775, 1. Musca cellaris, *Linn. Syst. Nat.* ii. 993. *Faun. Suec.* 1848. *Gmel. Ed. Syst. Nat.* i. 5. 2848, 87. *Fabr. Ent. Syst.* iv. 332, 85. *Syst. Antl.* 305, 108. *Berk. Syn.* i. 165. *Stew. El.* ii. 260. *Turt.* iii. 609. Musca, &c., *Réaum. Ins.* v. *pl.* 8, *f.* 7—14. *Geoff. Ins.* ii. 536, 85. M. funebris, *Fabr. Ent. Syst.* iv. 323, 48. *Syst. Antl.* 299, 76. *Gmel. Ed. Syst. Nat.* i. 5, 2842, 190. M. erythrophthalma, *Hellw. Panz. Faun. Germ.* 17, 24. Oinopota cellaris, *Kirby.* Mocillus cellarius, *Sam. Comp.* 299.

a. England. Presented by F. Walker, Esq.

b. England.
c. France.
d. Kollare. Presented by the Entomological Club.
e. Haparanda. Presented by the Entomological Club.
f. Nova Scotia. From Lieut. Redman's collection.

DROSOPHILA phalerata, *Meig. Dipt.* vi. 83, 3, *pl.* 59, *f.* 3. *Macq. Hist. Nat. Dipt.* ii. 549, 3.
a. England. Presented by F. Walker, Esq.

DROSOPHILA fenestrarum, *Fall. Geomyz.* 6, 4. *Meig. Dipt.* vi. 83, 4. *Macq. Hist. Nat. Dipt.* ii. 549, 4. *Zett. Ins. Lapp.* 775, 2.
a. England. Presented by F. Walker, Esq.

DROSOPHILA transversa, *Megerle, Meig. Dipt.* vi. 2. *Macq. Hist. Nat. Dipt.* ii. 549, 5. *Zett. Ins. Lapp.* 776, 3.
a. England.

DROSOPHILA virginea, *Meig. Dipt.* vi. 84, 6.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Stockholm. Presented by the Entomological Club.

DROSOPHILA melanogaster, *Meig. Dipt.* vi. 85, 9.
a. England. Presented by F. Walker, Esq.
b. France.

DROSOPHILA tristis, *Fall. Geomyz.* 7, 7. *Meig. Dipt.* vi. 86, 12. *Macq. Hist. Nat. Dipt.* ii. 550, 8.
a. England. Presented by F. Walker, Esq.

DROSOPHILA graminum, *Fall. Geom.* 8, 11. *Meig. Dipt.* vi. 86, 13. *Macq. Hist. Nat. Dipt.* ii. 550, 9. *Zett. Ins. Lapp.* 777, 9.
a. England. Presented by F. Walker, Esq.

DROSOPHILA immatura, n. s. *Fulva, abdominis apice piceo, palpis antennisque fulvis, pedibus flavis, alis limpidis.*

Body pale tawny, clothed with black hairs: head and chest beset with black bristles: eyes red; sucker, palpi and feelers tawny; feeler-bristle black: abdomen obconical, darker and narrower, but not longer than the chest, pitchy towards the tip: legs yellow: wings colourless: wing-ribs and veins tawny: longitudinal veins straight; fifth vein slightly curved downward along its whole length, not forming an angle at its junction with the lower cross-vein; the latter

is straight, nearly upright, far from the border of the wing, and indicative of feeble flight, parted by nearly thrice its length from the middle cross-vein, by six times its length from the end of the fourth longitudinal vein, and by thrice its length from the end of the fifth longitudinal vein. Length of the body 1 line; of the wings 2 lines.

a. ——— ?

Drosophila debilis, n. s., fem. *Fulva, abdomine ferrugineo, pedibus fulvis, alis subcinereis.*

Body tawny, thickly clothed with black hairs; head wanting: abdomen ferruginous, obconical, a little longer than the chest: legs tawny: wings slightly gray; wing-ribs and veins tawny; third longitudinal vein slightly curved upward after its junction with the middle cross-vein; fifth longitudinal vein slightly curved downward after its junction with the lower cross-vein, where it does not form an angle; lower cross-vein straight, nearly upright, parted by a little more than twice its length from the middle cross-vein, by much more than thrice its length from the end of the fourth longitudinal vein, and by a little more than its length from the end of the fifth longitudinal vein; poisers tawny. Length of the body 1 line; of the wings 2½ lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Drosophila varia, n. s., fem. *Fulva, abdomine maculis octo fasciaque una nigris ornato, ventre nigro, pedibus flavis, alis limpidis fusco apice maculatis.*

Body tawny: head wanting: chest bright tawny, beset with a few black bristles; breast paler: abdomen obconical, darker and much narrower, but not longer than the chest, adorned with six black spots, three in front and three behind a black band which traverses the middle; there is also an indistinct black spot on each side of the tip; underside mostly black: legs pale yellow: wings colourless, adorned with a brown spot at the tip of the second longitudinal vein; wing-ribs and veins tawny; longitudinal veins straight; lower cross-vein upright, hardly inclined inward, parted by much more than twice its length from the middle cross-vein, by full four times its length from the end of the fourth longitudinal vein, and by a little more than its length from the end of the fifth longitudinal vein; poisers tawny. Length of the body ¾ line; of the wings 1½ line.

a. Georgia. From Mr. Abbot's collection.

Drosophila guttifera, n.s., fem. *Fulva, capite subtus flavo, thorace subvittato, abdomine maculis piceis quadrivittato, palpis antennisque fulvis, pedibus flavis, alis limpidis fusco quatuordecem maculatis antice subfulvis postice subcinereis.*

Body tawny, shining, paler beneath: head and chest beset with a few black bristles: head pale tawny, not shining, yellow beneath: eyes red: sucker, palpi, and feelers tawny; third feeler-joint conical, longer than the second; bristle black, slender, feathered to the tip on both sides with long black hairs, full thrice the length of the third joint: chest indistinctly striped: abdomen spindle-shaped, a little longer and narrower than the chest, adorned with four rows, and towards the tip with five rows of pitchy spots, thinly clothed with black hairs: legs yellow; claws black: wings colourless, tinged with tawny along the fore border, slightly gray along the hind border, adorned with fourteen small brown spots; one at the tip of the second longitudinal vein; seven on the third vein; three on the fourth vein, the first of them joining the third on the third vein; three on the fifth vein; wing-ribs and veins tawny; longitudinal veins nearly straight: lower cross-vein oblique, slightly curved inward, parted nearly thrice its length from the middle cross-vein, by more than four times its length from the end of the fourth longitudinal vein, and by more than its length from the end of the fifth longitudinal vein; poisers tawny. Length of the body ¾ line; of the wings 1½ line.

a. Florida. Presented by E. Doubleday, Esq.

Drosophila colorata, n. s. *Rufa, capite ferrugineo, thorace nigro trivittato, abdomine piceo fasciis fulvis ornato, palpis antennisque ferrugineis, harum articulo 3° piceo, pedibus fulvis, alis subcinereis ad costam fulvis.*

Head and chest beset with black bristles: head ferruginous: eyes pitchy: sucker, palpi, and feelers ferruginous: feelers shorter than the face; third joint conical, pitchy, longer than the second; bristle black, slender, feathered to the tip on both sides with a few long black hairs, more than twice the length of the third joint: chest dark red, adorned with three black stripes, the middle one darker than the side pair, which are interrupted: abdomen pitchy, elliptical, hardly longer than the chest; hind borders of the segments tawny: legs tawny; tips of the feet pitchy: wings slightly gray, tawny along the fore borders; wing-ribs and veins dark tawny; longitudinal veins straight; lower cross-vein nearly straight and upright, slightly clouded with brown, parted by more than thrice its length from the middle cross-vein, by more than four times its length from the end of the fourth longitudinal vein, and by its length from

the end of the fifth longitudinal vein; poisers yellow, tawny at the base. Length of the body 1¼ line; of the wings 3 lines.

a. New York. Presented by E. Doubleday, Esq.

DROSOPHILA remota, n. s. *Cervina, thorace postico pectoreque canis, antennis nigris, palpis pedibusque fulvis, femoribus piceis, tibiis posticis subarcuatis, alis subcinereis ad costam subfulvis.*

Body dark fawn colour: head and chest beset with black bristles: eyes red: sucker and palpi tawny: feelers black, shorter than the face; third joint conical, longer than the second; bristle slender, feathered to the tip with long hairs, more than twice the length of the third joint: breast and hind chest hoary: abdomen obconical, thickly clothed with black hairs, a little shorter and narrower than the chest: legs tawny; clothed with short black hairs; claws black; thighs pitchy with tawny tips; hind shanks slightly curved: wings slightly gray, with a tawny tinge, which is chiefly along the borders of the veins; wing-ribs and veins tawny; longitudinal veins straight; fifth vein inclined to the hind border after its junction with the lower cross-vein, where it forms a very indistinct angle; lower cross-vein nearly upright, very slightly inclined outward, parted by more than four times its length from the middle cross-vein and from the tip of the fourth longitudinal vein, and by its length from the tip of the fifth longitudinal vein; poisers tawny. Length of the body 1⅓ line; of the wings 4 lines.

a. Tristram da Cunha. From Dr. Leach's collection.

DROSOPHILA flava, *Fall. Geom.* 7, 10. *Meig. Dipt.* vi. 88, 20.
a. England. Presented by F. Walker, Esq.

Group Terenia, *Desv. Essai Myod.* 640.

Group Odinia, *Desv. Essai Myod.* 648.

ASTEIA, *Meigen.*

ASTEIA amœna, *Meig. Dipt.* vi. 89, 1, *pl.* 59, *f.* 7. *Macq. Hist. Nat. Dipt.* ii. 620, 1.
a. England. Presented by F. Walker, Esq.
b. England.

OCHTHIPHILA, *Fallen.*

OCHTHIPHILA aridella, *Fall. Ochtid.* 10, 2. *Meig. Dipt.* vi. 92, 1. *Macq. Hist. Nat. Dipt.* ii. 545, 1. *Zett. Ins. Lapp.* 620, 4. *Dipt. Scand.* v. 1950, 6.
a. England. Presented by F. Walker, Esq.
b. Hammerfest. Presented by F. Walker, Esq.

OCHTHIPHILA juncorum, *Fall. Ochtid.* 9, 1. *Meig. Dipt.* vi. 92, 3, *pl.* 59, *f.* 11. *Macq. Hist. Nat. Dipt.* ii. 5452. *Zett. Ins. Lapp.* 719, 1. *Dipt. Scand.* v. 1945, 1.
a. England. Presented by F. Walker, Esq.
b. Haparanda. Presented by the Entomological Club.

Group Estelia, *Desv. Essai Myod.* 635.

DIASTATA, *Meigen.*

Group I.

DIASTATA punctum, *Meig. Dipt.* vi. 98, 10. *Macq. Hist. Nat. Dipt.* ii. 553, 7.
a. England.

DIASTATA obscurella, *Meig. Dipt.* vi. 96, 3, *pl.* 59, *f.* 15. *Macq. Hist. Nat. Dipt.* ii. 552, 3. Geomyza obscurella, *Fall. Geom.* 4, 6. *Zett. Ins. Lapp.* 774, 5.
a. England. Presented by F. Walker, Esq.
b. Hammerfest. Presented by F. Walker, Esq.

DIASTATA tenuipes, n. s., fem. *Picea, capite antico fulvo, thorace vittis quatuor fulvis, palpis antennisque piceis, pedibus fulvis, alis cinereis ad costam subfulvis, vena transversa fusco nebulosa.*

Body pitchy, shining: head and chest beset with black bristles: head tawny in front: eyes red: sucker, palpi, and feelers pitchy: feelers shorter than the face; third joint conical, longer than the second; bristle black, feathered with rather long hairs, more than twice the length of the third joint: chest with four indistinct dark tawny stripes: abdomen elliptical, thinly clothed with short black hairs, hardly longer than the chest: legs dark tawny, clothed with very short black hairs; claws black: wings dark gray with a tawny tinge on the fore border, clouded with brown on the lower cross-vein; wing-ribs and veins pitchy; longitudinal veins straight; fifth slightly curved towards the hind border, not forming an angle at its

junction with the lower cross-vein; the latter is upright, nearly straight, parted by nearly thrice its length from the middle cross-vein, by more than four times its length from the end of the fourth longitudinal vein, and by its length from the end of the fifth longitudinal vein; poisers pale yellow. Length of the body 1¼ line; of the wings 3 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

DIASTATA? albicosta, n. s., mas. *Picea, gracilis, capite subtus palpis pedibusque flavis, antennis nigris, alis fuscis angustis ad costam albis margine postico subcinereis.*

Body pitchy, linear, very narrow: head and chest beset with a few black bristles: head beneath, sucker and palpi yellow: eyes pitchy: feelers black, shorter than the face; third joint short; bristle slender, stout at the base, feathered to the tip with very short hairs, more than thrice the length of the third joint: abdomen much longer than the chest: legs yellow, slender: wings long, narrow, dark brown, white along the fore border till near the tip, grayish along the hind border: wing-ribs and veins pitchy; longitudinal veins straight; second vein waving along the whole length at first upward, then downward; fifth vein inclined to the hind border after its junction with the lower cross-vein where it does not from an angle; lower cross-vein slightly oblique, a little curved outward, parted by more than twice its length from the middle cross-vein, by eight times its length from the end of the fourth longitudinal vein, and by nearly twice its length from the end of the fifth longitudinal vein; poisers yellow. Length of the body 1 line; of the wings 2¼ lines.

a. ———? Presented by the Entomological Club.

Group 2. Camilla, *Haliday, Ann. Nat. Hist.* ii. 188.

DIASTATA glabra, *Hal. Ann. Nat. Hist.* ii. 188. Drosophila glabra, *Fall. Geom.* 8, 12. *Meig. Dipt.* vi. 85, 10. Diastata ærata, *Haliday, Curtis, Guide, App.* 281.

a. England. Presented by F. Walker, Esq.

OPOMYZA, *Fallen.*

OPOMYZA germinationis, *Fall. Opom.* 11, 1. *Meig. Dipt.* vi. 1. *Macq. Hist. Nat. Dipt.* ii. 555, 1. *Zett. Ins. Lapp.* 761, 1.

Musca germinationis, *Linn. Faun. Suec.* 1874. *Gmel. Ed. Syst. Nat.* i. 5, 2857, 122. *Fabr. Ent. Syst.* iv. 356, 183. Dacus germinationis, *Fabr. Syst. Antl.* 278, 28.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.

Opomyza florum, *Meig. Dipt.* vi. 102, 2, *pl.* 59, *f.* 22. *Zett. Ins. Lapp.* 762, 3. Musca florum, *Fabr. Ent. Syst.* iv. 352, 164. Tephritis florum, *Fabr. Syst. Antl.* 317, 3. Geomyza punctella, *Fall. Geom.* 11, 2.
a. England.

Opomyza combinata, var.? *Meig. Dipt.* vi. 109, 18. Musca combinata? *Fabr. Ent. Syst.* iv. 352, 163. *Gmel. Ed. Syst. Nat.* i. 5, 2855, 114. M. germinationis? *Schrank, Ins. Austr.* 961. Tephritis combinata? *Fabr. Syst. Antl.* 317, 2. Geomyza combinata? *Fall. Geom.* 2, 1.
a. France.

Opomyza tripunctata, *Meig. Deipt.* vi. 110, 21. *Macq. Hist. Nat. Dipt.* ii. 558, 14. Geomyza tripunctata, *Fall. Geom.* 2, 2. *Zett. Ins. Lapp.* 774, 2.
a. England.
b. Upsal. Presented by the Entomological Club.
c. France.

Opomyza maculata, *Macq. Hist. Nat. Dipt.* ii. 558, 15.
a. England. Presented by F. Walker, Esq.
b. England.

Opomyza guttipennis, *Zett. Ins. Lapp.* 762, 4.
a. Lapland. Presented by the Entomological Club.

Opomyza apicalis, n. s., fem. *Ferruginea, capite subtus fulvo, abdomine supra piceo, palpis antennis pedibusque fulvis, alis limpidis apice fusco maculatis.*

Body pale ferruginous, shining: head and chest beset with very few black bristles: head pale tawny beneath: eyes red: sucker, palpi, and feelers pale tawny: feelers much shorter than the face; third joint conical, longer than the second; bristle slender, black, downy, tawny at the base, more than thrice the length of the third joint: abdomen oval, a little longer than the chest, pitchy above, except at the base: legs tawny; claws black: wings colourless; a brown spot at the tip between the second and third longitudinal

veins; wing-ribs tawny; veins pitchy, tawny towards the base; longitudinal veins straight; lower cross-vein nearly straight, almost upright, parted by more than twice its length from the middle cross-vein, by more than thrice its length from the end of the fourth longitudinal vein, and by less than half its length from the end of the fifth longitudinal vein; poisers whitish. Length of the body 1½ line; of the wings 3 lines.

a. New Zealand. Presented by Dr. Hooker.

Opomyza quadrivitta, n. s., fem. *Fulva, thorace vittis quatuor piceis, abdomine vitta fasciisque nigris ornato, palpis antennis pedibusque fulvis, alis subcinereis, costa venisque transversis fusco nebulosis.*

Body tawny: head and chest beset with stout black bristles: head whitish beneath: eyes pitchy: sucker, palpi, and feelers pale tawny: feelers a little shorter than the face: first and second joints beset with a few bristles; third conical, longer than the second; bristle black, feathered with hairs on both sides to the tip, about thrice the length of the third joint: chest adorned with four pitchy stripes: abdomen obconical, a little shorter and narrower than the chest, thinly clothed with black hairs, beset on each side with a few black bristles, adorned with a black stripe, and on the hind borders of the segments with black bands: legs tawny, beset with a few black hairs and bristles; hind thighs pitchy: wings slightly gray, brown for one-third of the breadth beneath the fore border and at the tip, the outline of the brown is irregular above the cross-veins, which are also clouded with brown; wing-ribs and veins pitchy; longitudinal veins straight; lower cross-vein straight, slightly oblique, parted by much more than its length from the middle cross-vein, by near thrice its length from the end of the fourth longitudinal vein, and by more than half its length from the end of the fifth longitudinal vein; poisers tawny. Length of the body 1½ line; of the wings 3¼ lines.

a. Isle of France.

Milichia, *Meigen*.

Milichia speciosa, *Meig. Dipt.* vi. 132, 1, *pl.* 60, *f.* 23—24. *Loew, Ent. Zeit. Stett.* 324.

a. France.

Leucopis, *Meigen.*

Leucopis hirta, n. s., fem. *Cinerea, abdomine palpis antennis pedibusque nigris, alis cinereis margine antico convexo.*

Body gray, thick, broad: head and chest thickly beset with black bristles: eyes red: sucker, palpi, and feelers black: feelers much shorter than the face; third joint short, not much longer than the second; bristle slender, bare, much more than thrice the length of the third joint: abdomen obconical, flat, black, shining, a little longer and narrower than the chest, clothed with short black hairs, which are mostly on each side: legs black, stout: wings gray; fore border convex, with a deep notch at the end of the first longitudinal vein; wing-ribs and veins black; longitudinal veins straight; fifth curved towards the hind border, not forming an angle at its junction with the lower cross-vein; the latter is straight, upright, parted by thrice its length from the middle cross-vein, by more than thrice its length from the end of the fourth longitudinal vein, and by a little less than its length from the end of the fifth longitudinal vein; poisers black. Length of the body 1 line; of the wings 2 lines.

a. Haparanda. Presented by the Entomological Club.

Leucopis? picea, n. s. *Picea, palpis antennisque nigris, pedibus fulvis, alis latis cinereis ad costam fuscis margine antico convexo.*

Body pitchy, shining: head and chest beset with a few black bristles: eyes red: sucker, palpi, and feelers black: abdomen obconical, a little longer and narrower than the chest: legs tawny: wings broad, dark gray, dark brown for one-third of the breadth beneath the fore border, which is convex; wing-ribs and veins black; third and fourth longitudinal veins approaching each other towards the tip; lower cross-vein parted by twice its length from the middle cross-vein, by more than thrice its length from the end of the fourth longitudinal vein, and by rather less than its length from the end of the fifth longitudinal vein; poisers tawny. Length of the body ¾ line; of the wings 1½ line.

a. ——— ?

Gymnopa, *Fallen.*

Gymnopa subsultans, *Meig. Dipt.* vi. 137, 1. *Macq. Hist. Nat. Dipt.* ii. 584, 1. Syrphus subsultans, *Fabr. Ent. Syst.* iv. 304, 96. Eristalis subsultans, *Fabr. Syst. Antl.* 246, 68.

a. England.
b. France.
c. Upsal. Presented by the Entomological Club.
d. ——— ? From Mr. Children's collection.

GYMNOPA ænea, *Fall. Oscinid.* 10, 1. *Meig. Dipt.* vi. 137, 2? *Macq. Hist. Nat. Dipt.* ii. 584, 2. *Zett. Ins. Lapp.* 783, 1. Eristalis subsultans? *Fabr. Syst. Antl.* 246, 68.
a. England.

GYMNOPA glabra, *Meig. Dipt.* vi. 137, 4. *Macq. Hist. Nat. Dipt.* ii. 584, 4. Madiza glabra, *Fall. Oscinid.* 9, 3. *Zett. Ins. Lapp.* 782, 2.
a. England. Presented by F. Walker, Esq.
b. France.
c. ——? From Mr. Children's collection

CHLOROPS, *Meig.*

Div. A. *Meig.*

CHLOROPS hypostigma, *Meig. Dipt.* vi. 141, 2. *Macq. Hist. Nat. Dipt.* ii. 591, 2.
a. England. Presented by F. Walker, Esq.

CHLOROPS nasuta, *Meig. Dipt.* vi. 142, 5. *Macq. Hist. Nat. Dipt.* ii. 592, 7. Musca nasuta, *Gmel. Ed. Syst. Nat.* i. 5, 2863, 304. *Schrank, Ins. Austr.* 966. Musca, &c., *Geoff. Ins.* ii. 537, 87. *Schell. Gen. Mouch. pl.* 4, *f.* 1. M. lineata, *Schrank, Faun. Boic.* iii. 2462. M. umbelliferarum, *Schrank, Faun. Boic.* iii. 2463. Oscinis lineata, *Fall. Oscinid.* 4, 2. O. nasuta, *Zett. Ins. Lapp.* 779, 1.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS læta, *Meig. Dipt.* vi. 143, 6. *Macq. Hist. Nat. Dipt.* ii. 592, 9. Oscinis lineata, var., *Fall. Oscinid.* 4, 2. O. lineata, *Zett. Ins. Lapp.* 779, 2.
a. England. Presented by F. Walker, Esq.

CHLOROPS tæniopus, *Meig. Dipt.* vi. 144, 9. *Macq. Hist. Nat. Dipt.* ii. 593, 13.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS notata, *Meig. Dipt.* vi. 144, 10.
a. England. Presented by F. Walker, Esq.

CHLOROPS interrupta, *Meig. Dipt.* vi. 145, 11. *Macq. Hist. Nat. Dipt.* ii. 593, 14.
a. Var.? France.

CHLOROPS scalaris, *Méig. Dipt.* vi. 145, 12. *Macq. Hist. Nat. Dipt.* ii. 593, 15.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS speciosa, *Meig. Dipt.* vi. 146, 14. *Macq. Hist. Nat. Dipt.* ii. 594, 17.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS circumdata, *Meig. Dipt.* vi. 147, 17.
a. England. Presented by F. Walker, Esq.

CHLOROPS lineata, *Meig. Dipt.* vi. 149, 21. *Macq. Hist. Nat. Dipt.* ii. 595, 23. Musca lineata, *Fabr. Sp. Ins.* ii. 453, 95. *Ent. Syst.* iv. 356, 180. *Gmel. Ed. Syst. Nat.* i. 5, 2856, 243. *Stew. El.* ii. 260. M. pumilionis, *Gmel. Ed. Syst. Nat.* i. 5, 2849, 217. Oscinis lineata, *Fabr. Syst. Antl.* 215, 4. *Latr. Gen. Crust.* iv. 351. O. pumilionis, *Fabr. Syst. Antl.* 216, 6.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS cereris, *Meig. Dipt.* vi. 150, 23. *Macq. Hist. Nat. Dipt.* ii. 596, 28. Chlorops scutellatus, *Panz. Faun. Germ.* 104, 21. Oscinis cereris, *Fall. Oscinid.* 5, 3.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS messoria, *Meig. Dipt.* vi. 151, 24. *Macq. Hist. Nat. Dipt.* ii. 596, 29. Oscinis messoria, *Fall. Oscinid.* 5, 4. *Zett. Ins. Lapp.* 780, 6.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS tarsata, *Meig. Dipt.* vi. 151, 25. *Macq. Hist. Nat. Dipt.* ii. 597, 31. Oscinis tarsata, *Fall. Oscinid.* 5, 5.
a. England. Presented by F. Walker, Esq.

CHLOROPS frontella, *Meig. Dipt.* vi. 155, 36. Oscinis frontella, *Fall. Oscinid.* 7, 10.
a. Var.? Stockholm. Presented by the Entomological Club.

CHLOROPS annulata, *Barnston's MSS. Flava, verticis macula picea, peristomate nigro bimaculato, thoracis vittis tribus nigris subcinereis, pectore maculis quatuor piceis ornato, abdominis disco piceo segmentorum marginibus posticis flavis, antennis ferrugineis, palpis pedibusque fulvis, alis limpidis.*

Body yellow: crown adorned by a large triangular pitchy spot, which, with the exception of the hind border, is interrupted by two slender yellow streaks: eyes pitchy: sucker ferruginous: palpi tawny: a black spot on each side of the fore border of the peristoma: feelers ferruginous, nearly as long as the face, pitchy above and at the tips; third joint nearly round, much deeper than the second and more than twice its length: disk of the chest black, the three usual stripes being so broad as to leave no space between them, with the exception of two yellow spots in front: two large shining nearly triangular pitchy spots on each side of the breast: abdomen oval, very little longer than the chest, tawny along each side, pitchy above, with the exception of the hind borders of the segments: legs dark tawny; knees and tips of the shanks paler; claws black; wings colourless; wing-ribs tawny; veins black; longitudinal veins straight; lower cross-vein straight, slightly oblique, parted by more than twice its length from the middle cross-vein, by seven times its length from the end of the fourth longitudinal vein, and by more than twice its length from the end of the fifth longitudinal vein; poisers white. Length of the body 1¼ line; of the wings 2½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

CHLOROPS bistriata, *Barnston's MSS. Flava, verticis macula thoracisque vittis tribus latis nigris, pectore vittis piceis et ferrugineis ornato, abdomine supra nigro, antennis ferrugineis, pedibus fulvis, alis limpidis.*

Body bright yellow; shining: a black spindle-shaped spot on the crown, extending from the hind head to the base of the feelers: eyes pitchy, convex; facets rather large: sucker and palpi pale tawny: feelers ferruginous, a little shorter than the face, black above; third joint nearly round, much deeper than the second and more than twice its length; bristle black, bare, a little more than twice the length of the third joint: chest adorned with three very broad black stripes; scutcheon yellow; breast with two short pitchy stripes, which have between them two triangular ferruginous marks the outer sides of whose borders are pitchy: abdomen oval, not longer than the chest, black above: legs tawny; feet pale ferruginous, tawny at the base; claws black: wings colourless; wing-ribs

tawny; veins pitchy; longitudinal veins straight; lower cross-vein oblique, straight, parted by less than twice its length from the middle cross-vein, by five times its length from the tip of the fourth longitudinal vein, and by twice its length from the tip of the fifth longitudinal vein; poisers white. Length of the body 1¼ line; of the wings 2½ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Chlorops perflava, *Barnston's MSS*. *Flava, verticis macula picea, thorace nigro trivittato, abdomine supra antennisque fulvis, palpis pedibusque flavis, alis limpidis.*

Body bright yellow: a triangular pitchy spot on the crown: eyes pitchy: sucker and palpi yellow: feelers tawny, much shorter than the face; third joint conical, much longer than the second, pitchy above and on the outer side; bristle black: chest adorned with three broad black stripes; the side pair shortened in front: abdomen oval, not longer than the chest, somewhat tawny above: legs yellow, thinly clothed with short pale hairs: wings colourless; wing-ribs tawny; veins pitchy, tawny towards the base; longitudinal veins straight; lower cross-vein straight, upright, parted by thrice its length from the middle cross-vein, by ten times its length from the end of the fourth longitudinal vein, and by four times its length from the end of the fifth longitudinal vein; poisers yellow. Length of the body 1 line; of the wings 2 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Chlorops vicaria, n. s., fem. *Fulva, verticis macula thoracisque vittis tribus nigris, scutello flavo, pectoris maculis nigris, abdominis disco piceo, palpis antennisque nigris, pedibus fulvis, alis limpidis.*

Body tawny, shining: a large black spot on the crown: eyes pitchy: palpi black: feelers black, shorter than the face: third joint nearly triangular, hardly longer than the second; bristle about twice the length of the third joint: chest adorned with three broad black stripes; side pair interrupted; some black marks on the breast; scutcheon pale yellow: abdomen obconical, shorter than the chest, its disk mostly pitchy: legs tawny: wings colourless; wing-ribs tawny; veins black, tawny towards the base; lower cross-vein very oblique, curved outward at the upper end; parted by twice its length from the middle cross-vein, by more than eight times its length from the end of the fourth longitudinal vein, and by more

than thrice its length from the end of the fifth longitudinal vein. Length of the body 1 line; of the wings 2 lines.

a. New Holland. Presented by the Entomological Club.

CHLOROPS albifrons, n. s., fem. *Flava, subtus flavo-albida, verticis macula picea, thorace nigro trivittato, abdominis disco fusco, palpis antennisque fulvis, pedibus flavis, alis limpidis.*

Body yellow above, whitish yellow beneath: a large triangular pitchy spot on the crown; face almost white: eyes red: sucker and palpi pale tawny: feelers tawny, a little shorter than the face, black above; third joint flat above, convex beneath, somewhat truncated at the tip, more than twice the length of the second; bristle tawny, bare, pitchy towards the tip, more than twice the length of the third joint: chest adorned with three very broad black stripes: a very small pitchy spot on each side of the fore breast; abdomen oval, hardly longer than the chest; its disk brown: legs yellow; feet tawny, with pitchy tips: claws black: wings colourless; wing-ribs pitchy; veins black; longitudinal veins straight; lower cross-vein straight, upright, parted by more than twice its length from the middle cross-vein, by eight times its length from the end of the fourth longitudinal vein, and by more than thrice its length from the end of the fifth longitudinal vein; poisers white. Length of the body 1 line; of the wings 2 lines.

a. Adelaide. Presented by the Entomological Club.

CHLOROPS perpusilla, n. s. *Picea, thorace nigro, pedibus fuscis, alis subcinereis.*

Body black, shining: head pitchy: eyes red: sucker, palpi, and feelers pitchy (?): breast and abdomen pitchy, the latter obconical, a little shorter than the chest: legs brown; hips tawny; claws black: wings slightly gray; wing-ribs tawny; veins pitchy, tawny towards the base; longitudinal veins straight; lower cross-vein straight, upright, parted by more than twice its length from the middle cross-vein, by more than four times its length from the end of the end of the fourth longitudtnal vein, and by more than its length from the end of the fifth longitudinal vein; poisers white. Length of the body $\frac{2}{3}$ line; of the wings $1\frac{1}{3}$ line.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

CHLOROPS postmacula, n. s., fem. *Ferruginea, lata, abdomine fulvo maculis nigris trivittato, palpis antennis pedibusque ferrugineis, alis subcinereis ad costam subfulvis.*

Body ferruginous: head and chest beset with a few black bristles; a row of short black bristles behind the eyes: eyes red; all

the facets very small: sucker and palpi ferruginous, the latter beset with black bristles: feelers ferruginous, nearly as long as the face; first and second joints beset with a few black bristles; third elliptical, deeper than the second, and more than twice its length; bristle black, clothed to the tip with very short hairs, more than thrice the length of the third joint: chest broad: abdomen tawny, obconical, thinly clothed with short black hairs and bristles, narrower but not longer than the chest, adorned with three rows of black spots, these are most distinct towards the tip, where the spots on the middle row are oblong: legs ferruginous, clothed with a few black hairs and bristles; claws black: wings slightly gray, with a tawny tinge along the fore border; wing-ribs tawny; veins pitchy; longitudinal veins straight; lower cross-vein oblique, hardly curved inward, parted by more than twice its length from the middle cross-vein, by more than thrice its length from the end of the fourth longitudinal vein, and by a little less than its length from the end of the fifth longitudinal vein; poisers pale ferruginous. Length of the body 1½ line; of the wings 3 lines.

a. Sandwich Islands. Presented by Capt. Beechey.

CHLOROPS, (n. g.?) maculata, n. s., fem. *Flava, capite fasciis maculisque duabus thorace pectoreque vittis quatuor nigris, thoracis disco fulvo, abdomine nigro quadrivittato, palpis antennisque fulvis, pedibus flavis, alis limpidis fusco confertim maculatis, vena longitudinali 4° arcuata.*

Body yellow: head and chest beset with a few black bristles: black band on the crown, and a black spot at the base of each feeler; epistoma prominent, with a slender black band at the base: eyes red; facets of the fore part much larger than those elsewhere: sucker, palpi, and feelers tawny: feelers shorter than the face; third joint conical, not deeper than the second, but more than twice its length; bristle black, slender, yellow at the base, about twice the length of the third joint: chest adorned with four black stripes, the middle pair approaching each other towards the scutcheon, which is adorned with a single stripe; disk of the chest tawny: two black stripes on each side of the breast, whose disk also is partly black: abdomen obconical, a little broader but not longer than the chest, adorned with four imperfect black stripes: legs pale yellow; claws black: wings colourless, adorned with more than twenty brown spots; wing-ribs tawny; veins black, tawny towards the base; longitudinal veins straight, with the exception of the fourth, which is curved upward to the middle cross-vein, then curved downwards to the lower cross-vein, whence forming a very obtuse angle it proceeds in a more direct line to the tip; basal cross-veins more in the disk

than those of other species of *Chlorops;* lower cross-vein straight, slightly oblique, parted by little less than twice its length from the middle cross-vein, by little more than twice its length from the end of the fourth longitudinal vein, and by much less than its length from the end of the fifth longitudinal vein; poisers yellow. Length of the body 1½ line; of the wings 3 lines.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Div. B. *Meig.*

Oscinis, *Fabr.*

CHLOROPS palposa, *Meig. Dipt.* vi. 152, 28. Oscinis palposa, *Fall. Oscinid.* 6, 7. *Macq. Hist. Nat. Dipt.* ii. 598, 1.
a. England. Presented by F. Walker, Esq.
b. France.

CHLOROPS cornuta, *Meig. Dipt.* vi. 158, 48. Oscinis cornuta, *Fall. Oscinid.* 6, 6. *Macq. Hist. Nat. Dipt.* ii. 602, 20. *Zett. Ins. Lapp.* 780, 8.
a. England.

CHLOROPS brevipennis, *Meig. Dipt.* vi. 159, 49, *pl.* 61, *f.* 19, 20.
a. England.

CHLOROPS vindicata, *Meig. Dipt.* vi. 160, 51. Oscinis vindicata, *Macq. Hist. Nat. Dipt.* ii. 603, 26.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Alten. Presented by F. Walker, Esq.

CHLOROPS Frit, *Meig. Dipt.* vi. 160, 52. Musca Frit, *Linn. Faun. Suec.* 1851. *Gmel. Ed. Syst. Nat.* i. 5, 2849, 90. *Fabr. Sp. Ins.* ii. 445, 50. *Ent. Syst.* iv. 333, 90. Oscinis Frit, *Fabr. Syst. Antl.* 216, 5. *Fall. Oscinid.* 7, 9. *Dahlbom, Scand. Ins. Zett. Ins. Lapp.* 781, 12.
a. ——— ?

MEROMYZA, *Meig.*

MEROMYZA pratorum, *Meig. Dipt.* vi. 165, 1. *Macq. Hist. Nat. Dipt.* ii. 589, 3.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.

MEROMYZA variegata, *Meig. Dipt.* vi. 165, 2. *Macq. Hist. Nat. Dipt.* ii. 589, 2. *Hal. Ent. Mag.* i. 172. *Zett. Ins. Lapp.* 778, 1.
a. England. Presented by F. Walker, Esq.
b. England.

MEROMYZA saltatrix, *Meig. Dipt.* vi. 165, 3. *Macq. Hist. Nat. Dipt.* ii. 5891, *pl.* 23, *f.* 12. *Zett. Ins. Lapp.* 778, 2. Musca saltatrix, *Linn, Faun. Suec.* 2319. Musca minuta, *Fabr. Ent. Syst.* iv. 361, 202. *Gmel. Ed. Syst. Nat.* i. 5, 2859, 254. M. clavicrus, *Gmel. Ed. Syst. Nat.* i. 5, 2862, 299. *Schrank, Ins. Austr.* 958. Tephritis minuta, *Fabr. Syst. Antl.* 323, 31. Oscinis saltatrix, *Fall. Oscinid.* 3, 1.
a. England. Presented by F. Walker, Esq.
b. England.

MEROMYZA viridula, *Haliday, Ent. Mag.* i. 172.
a. England. Presented by F. Walker, Esq.

AGROMYZA, *Fallen.*

Div. A. *Meig. pl.* 61, *f.* 33.

a. *Meig. Dipt.* vi. 168.

AGROMYZA reptans, *Megerle, Meig. Dipt.* vi. 168, 1. *Macq. Hist. Nat. Dipt.* ii. 606, 1. *Zett. Ins. Lapp.* 787, 1.
a. England. Presented by F. Walker, Esq.

AGROMYZA nigripes, *Meig. Dipt.* vi. 170, 7. *Macq. Hist. Nat. Dipt.* ii. 607, 8. *Zett. Ins. Lapp.* 788, 2.
a. England. Presented by F. Walker, Esq.

b. *Meig. Dipt.* vi. 173.

c. *Meig. Dipt.* vi. 174.

AGROMYZA denticornis, *Meig. Dipt.* vi. 175, 25. Chlorops denticornis, *Panz. Faun. Germ.* 104, 22. *Fall. Agromyz.* 9, 1. Odontocera denticornis, *Macq. Hist. Nat. Dipt.* ii. 614, 1, *pl.* 23, *f.* 18.
a. England. Presented by F. Walker, Esq.
b. Upsal. Presented by the Entomological Club.

AGROMYZA ornata, *Meig. Dipt.* vi. 176, 29.
a. England. Presented by F. Walker, Esq.

d. *Meig. Dipt.* vi. 177.

AGROMYZA latipes, *Meig. Dipt.* vi. 177, 34. *Macq. Hist. Nat. Dipt.* ii. 609, 20.
a. England. Presented by F. Walker, Esq.

Div. B. *Meig. pl.* 61, *f.* 36.

a. *Meig. Dipt.* vi. 178.

b. *Meig. Dipt.* vi. 179.

c. *Meig. Dipt.* vi. 180.

AGROMYZA variegata, *Meig. Dipt.* vi. 180, 43.
a. England. Presented by F. Walker, Esq.

Div. C. *Meig. pl.* 61, *f.* 35.

a. *Meig. Dipt.* vi. 182.

b. *Meig. Dipt.* vi. 184.

c. *Meig. Dipt.* vi. 184.

AGROMYZA exigua, *Meig. Dipt.* vi. 184, 58.
a. England. Presented by F. Walker, Esq.

AGROMYZA pusilla, *Meig. Dipt.* vi. 185, 60.
a. England. Presented by F. Walker, Esq.

AGROMYZA amæna, *Meig. Dipt.* vi. 187, 68. *Macq. Hist. Nat. Dipt.* ii. 613, 41.
a. England. Presented by F. Walker, Esq.

AGROMYZA ——— ?
a. Fontainbleau. Presented by the Entomological Club.

AGROMYZA ——— ?
a. South of France. Presented by the Entomological Club.

PHYTOMYZA, *Fallen.*

Div. A. *Meig. pl.* 62, *f.* 5.

PHYTOMYZA lateralis, *Fall. Phytomyz.* 3, 2. *Meig. Dipt.* vi. 190, 3. *Macq. Hist. Nat. Dipt.* ii. 616, 2, *pl.* 23, *f.* 19. *Zett. Ins. Lapp.* 794, 8. *Curt. Brit. Ent.* 277.
a. England. Presented by F. Walker, Esq.
b. France.

Div. B. *Meig. pl.* 62, *f.* 6.

a. *Meig. Dipt.* vi. 190.

PHYTOMYZA nigripennis, *Fall. Phytomyz.* 2, 1. *Meig. Dipt.* vi. 190, 5.
a. England. Presented by F. Walker, Esq.

PHYTOMYZA obscurella, *Fall. Phytomyz.* 4, 8. *Meig. Dipt.* vi. 191, 6. *Macq. Hist. Nat. Dipt.* ii. 617, 5. *Zett. Ins. Lapp.* 792, 1.
a. England. Presented by F. Walker, Esq.
b. Alten. Presented by the Entomological Club.
c. Hammerfest. Presented by the Entomological Club.
d. Kaafiord. Presented by the Entomological Club.
e. Haparanda. Presented by the Entomological Club.
f. Gothenberg. Presented by the Entomological Club.

PHYTOMYZA nigra, *Meig. Dipt.* vi. 191, 7.
a. England. Presented by F. Walker, Esq.

PHYTOMYZA atra, *Meig. Dipt.* vi. 191, 8. *Macq. Hist. Nat. Dipt.* ii. 617, 6.
a. England. Presented by F. Walker, Esq.

PHYTOMYZA albipennis, *Fall. Phytomyz.* 4, 9. *Meig. Dipt.* vi. 191, 10. *Macq. Hist. Nat. Dipt.* ii. 617, 7.
a. England. Presented by F. Walker, Esq.

b. *Meig. Dipt* vi. 192.

PHYTOMYZA affinis, *Fall. Phytomyz.* 3, 3. *Meig. Dipt.* vi. 192, 11. *Macq. Hist. Nat. Dipt.* ii. 618, 9. *Zett. Ins. Lapp.* 793, 6.
a. England.
b. Upsal. Presented by the Entomological Club.

PHYTOMYZA rufipes, *Meig. Dipt.* vi. 192, 13.
a. England. Presented by F. Walker, Esq.

PHYTOMYZA notata, *Meig. Dipt.* vi. 193, 16. *Macq. Hist. Nat. Dipt.* ii. 619, 16.
a. England. Presented by F. Walker, Esq.
b. Haparanda. Presented by the Entomological Club.

PHYTOMYZA terminalis, *Meig. Dipt.* vi. 195, 24. *Macq. Hist. Nat. Dipt.* ii. 619, 19.
a. England. Presented by F. Walker, Esq.

PHYTOMYZA pallida, *Meig. Dipt.* vi. 196, 25. *Macq. Hist. Nat. Dipt.* ii. 620, 21.
a. England. Presented by F. Walker, Esq.

PHYTOMYZA flava, *Fall. Phytomyz.* 3, 5. *Meig. Dipt.* vi. 196, 26. *Macq. Hist. Nat. Dipt.* ii. 620, 22.
a. England. Presented by F. Walker, Esq.

BORBORUS, *Meigen.*

Div. A. *Meig.*

a. *Meig.*

b. *Meig.*

Group Sphærocera, *Macq.*

* Lordatia, *Desv. Essai Myod.* 808.

† A. *Hal. Ent. Mag.* iii. 318.

BORBORUS subsultans, *Meig. Dipt.* vi. 200, 2. Musca subsultans, *Fabr. Sp. Ins.* ii. 444, 41. *Ent. Syst.* iv. 329, 72. *Schrank, Ins. Austr.* 940. *Gmel. Ed. Syst. Nat.* i. 5, 2847, 84. Calobata subsultans, *Fabr. Syst. Antl.* 264, 17. Rhagio subsultans, *Schrank, Faun. Boic.* iii. 2402. Sphærocera curvipes, *Latr. Gen. Crust.* iv. 359. Copromyza subsultans, *Fall. Heterom.* 7, 1. *Zett. Ins. Lapp.* 770, 2. Lordatia merdarum, *Desv. Essai Myod.* 808, 1. L. stercoraria, *Desv. Essai Myod.* 809, 2. L. cadaverina, *Desv. Essai Myod.* 809, 3. L. necrophaga, *Desv. Essai Myod.* 809, 5. Sphærocera subsultans, *Macq. Hist. Nat. Dipt.* ii. 565, 1, *pl.* 22, *f.* 17. *Hal. Ent. Mag.* iii. 318, 1.
a. England.
b. France.
c. Upsal. Presented by the Entomological Club.
d. Haparanda. Presented by the Entomological Club.

Borborus monilis. Sphærocera monilis, *Hal. Ent. Mag.* iii. 319, 2.
a. England. Presented by F. Walker, Esq.

†† A. A. *Hal. Ent. Mag.* iii. 319.

Borborus vaporariorum. Lordatia coprina, *Desv. Essai Myod.* 809, 4. Sphærocera vaporariorum, *Hal. Ent. Mag.* iii. 319, 3.
a. England. Presented by F. Walker, Esq.

** Coprina, *Desv. Essai Myod.* 810.

Borborus denticulatus, *Meig. Dipt.* vi. 200, 3. Coprina bovina, *Desv. Essai Myod.* 810, 1. Sphærocera denticulata, *Macq. Hist. Nat. Dipt.* ii. 565, 2. *Hal. Ent. Mag.* iii. 320, 4.
a. England. Presented by F. Walker, Esq.

Borborus scabriculus. B. scabricula, *Haliday, Ent. Mag.* iii. 320. *Ann. Nat. Hist.* 1839, 188.
a. England. Presented by F. Walker, Esq.

c. *Meig.*

Group II. Borborus, *Hal. Ent. Mag.* iii. 320.

A. *Hal. Ent. Mag.* 321.

B. *Hal. Ent. Mag.* 321.

* Nerea, *Desv. Essai Myod.* 802.

Borborus nitidus, *Meig. Dipt.* vi. 201, 4. *Macq. Hist. Nat. Dipt.* ii. 566, 1, *pl.* 22, *f.* 18. *Hal. Ent. Mag.* iii. 321, 1. B. hamatus, *Hal. Ent. Mag.* i. 177. *Curt. Brit. Ent.* 469. Nerea nitidus, *Desv. Essai Myod.* 803, 3.
a. England. Presented by F. Walker, Esq.

** Mycetia, *Desv. Essai Myod.* 805.

Borborus suillorum, *Hal. Ent. Mag.* iii. 322, 2. Mycetia tibialis, *Desv. Essai Myod.* 806, 2.
a. England. Presented by F. Walker, Esq.

Borborus niger, *Meig. Dipt.* vi. 201, 6. *Macq. Hist. Nat. Dipt.* ii. 566, 3. *Hal. Ent. Mag.* iii. 322, 3.
a. England. Presented by F. Walker, Esq.

BB. *Hal. Ent. Mag.* iii. 323.

Sphærocera, *Desv. Essai Myod.* 807.

Borborus equinus, *Meig. Dipt.* vi. 201, 5. *Macq. Hist. Nat. Dipt.* ii. 566, 2. *Hal. Ent. Mag.* iii. 323, 4. Copromyza equina, *Fall. Heteromyz.* 6, 2. *Zett. Ins. Lapp.* 769, 1. Sphærocera communis, *Desv. Essai Myod.* 807, 1. S. fuliginosa, *Desv. Essai Myod.* 807, 2. S. coprivora? *Desv. Essai Myod.* 807, 3.
a. England.
b. France.
c. ———? From Mr. Children's collection.
d. Stockholm. Presented by the Entomological Club.
e. Upsal. Presented by the Entomological Club.
f. Haparanda. Presented by the Entomological Club.
g. Kollare. Presented by the Entomological Club.
h. Karasuwandra. Presented by the Entomological Club.
i. Kautokeino. Presented by the Entomological Club.

Borborus nigrifemoratus, *Macq. Hist. Nat. Dipt.* ii. 567, 5. *Hal. Ent. Mag.* iii. 323, 5.
a. England. Presented by F. Walker, Esq.

Borborus flavipennis, *Hal. Ent. Mag.* iii. 324, 6.
a. England. Presented by F. Walker, Esq.

Borborus longipennis, *Hal. Ent. Mag.* iii. 324, 7.
a. England. Presented by F. Walker, Esq.

Borborus vitripennis, *Meig. Dipt.* vi. 206, 20. *Hal. Ent. Mag.* iii. 325, 8.
a. England. Presented by F. Walker, Esq.

Borborus annulus, n. s., mas. et fem. *Niger, thorace subæneo, palpis piceis, antennis pedibusque nigris, tibiis basi apiceque fulvis, alis subfuscis fusca bimaculatis.*.

Body black, clothed with short black hairs: head beset with a few long black bristles: eyes red: sucker and palpi pitchy: feelers black; bristle downy to the tip, six times the length of the third joint: chest with a brassy tinge: legs black, clothed with short

black hairs; shanks at the base tawny, which colour is brightest and most prevalent on the hind shanks; tips of the shanks, especially of the hind pair tawny; middle feet dull tawny: wings slightly brown; wing-ribs and veins black; cross-veins clouded with brown; poisers pitchy; fifth longitudinal vein not extending beyond the lower cross-vein. Length of the body 1¼—1½ line; of the wings 2½—3 lines.

a. York Factory. Presented by Dr. Rae.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Borborus quinque maculatus, n. s. *Niger, palpis antennis pedibusque piceis, tibiis fulvo bifasciatis, tarsis ferrugineo cinctis, alis fusco quinque maculatis.*

Body black, thickly beset with black hairs and bristles: sucker, palpi, and feelers pitchy: legs pitchy, thickly clothed with black hairs; a tawny ring round each shank, whose tip is also tawny; second and third joints of the feet ferruginous: wings pale brown, each adorned with five dark brown spots; wing-ribs and veins black. Length of the body 1½ line; of the wings 3 lines.

a. Monte Video. Presented by C. Darwin, Esq.

AA. *Hal. Ent. Mag.* iii. 325.

Borborus ater, *Meig. Dipt.* vi. 203, 11. *Hal. Ent. Mag.* iii. 325, 9. B. geniculatus, *Macq. Hist. Nat. Dipt.* ii. 567, 6.
a. England. Presented by F. Walker, Esq.

Group III. Limosina, *Macq.*

A.
B. } *Hal. Ent. Mag.* iii. 326.
C.

Borborus silvaticus, *Meig. Dipt.* vi. 207, 24. *Curt. Brit. Ent.* 469, 24. Mycetia claripennis, *Desv. Essai Myod.* 806, 3. Limosina sylvatica, *Macq. Hist. Nat. Dipt.* ii. 572, 1. *Hal. Ent. Mag.* iii. 326, 1. Copromyza silvatica, *Zett. Ins. Lapp.* 771, 7.
a. England. Presented by F. Walker, Esq.

CC.
D. } *Hal. Ent. Mag.* iii. 327.

Borborus limosus, *Meig. Dipt.* vi. 207, 23. Copromyza limosa, *Fall. Heterom.* 8, 6. *Zett. Ins. Lapp.* 771, 6. Nerea riparia, *Desv. Essai Myod.* 802, 1. Limosina limosa, *Macq. Hist. Nat. Dipt.* ii. 327, 2. *Hal. Ent. Mag.* iii. 327, 2.
a. England. Presented by F. Walker, Esq.

Borborus humidus. Limosina humida, *Hal. Ent. Mag.* iii. 328, 3.
a. England. Presented by F. Walker, Esq.

DD. *Hal. Ent. Mag.* iii. 328.

Borborus arcuatus. Limosina arcuata, *Macq. Hist. Nat. Dipt.* ii. 572, 4. *Hal. Ent. Mag.* iii. 328, 4.
a. England. Presented by F. Walker, Esq.

Borborus geniculatus. Limosina geniculata, *Macq. Hist. Nat. Dipt.* ii. 328, 5. *Hal. Ent. Mag.* iii. 328, 5.
a. England. Presented by F. Walker, Esq.

Borborus crassimanus. Nerea stercoraria? *Desv. Essai Myod.* 803, 2. Limosina crassimana, *Hal. Ent. Mag.* iii. 328, 6.
a. England. Presented by F. Walker, Esq.

Borborus ochripes, *Meig. Dipt.* vi. 209, 29. Limosina ochripes, *Macq. Hist. Nat. Dipt.* ii. 572, 5. *Hal. Ent. Mag.* iii. 329, 7. Copromyza ochripes, *Zett. Ins. Lapp.* 771, 10.
a. England. Presented by F. Walker, Esq.

Borborus scutellaris. Limosina scutellaris, *Hal. Ent. Mag.* iii. 329, 8.
a. England. Presented by F. Walker, Esq.

Borborus nivalis, *Hal. Ent. Mag.* i. 178. *Curt. Brit. Ent.* 469, 29. Limosina nivalis, *Hal. Ent. Mag.* iii. 330, 9.
a. England. Presented by F. Walker, Esq.

Borborus fungicola. Limosina fungicola, *Hal. Ent. Mag.* iii. 330, 11.
a. England. Presented by F. Walker, Esq.

Borborus clunipes, *Meig. Dipt.* vi. 208, 26. Limosina clunipes, *Macq. Hist. Nat. Dipt.* ii. 573, 7. *Hal. Ent. Mag.* iii. 331, 13.
a. England. Presented by F. Walker, Esq.

Borborus pumilio, *Meig. Dipt.* 208, 27. Limosina pumilio, *Macq. Hist. Nat. Dipt.* ii. 573, 8. Copromyza pumilio, *Zett. Ins. Lapp.* 771, 9.
a. England. Presented by F. Walker, Esq.

BB. *Hal. Ent. Mag.* iii. 332.

Borborus fuscipennis, *Hal. Ent. Mag.* i. 178. Limosina fuscipennis, *Hal. Ent. Mag.* iii. 332, 16.
a. England. Presented by F. Walker, Esq.

BBB. *Hal. Ent. Mag.* iii. 332.

Borborus vagans, *Hal. Ent. Mag.* i. 178. Limosina vagans, *Hal. Ent. Mag.* iii. 332, 17.
a. England. Presented by F. Walker, Esq.

Borborus lugubris. Limosina lugubris, *Hal. Ent. Mag.* iii. 332, 18.
a. England. Presented by F. Walker, Esq.

AA, B, C } *Hal. Ent. Mag.* iii. 333.

Borborus Zosteræ, *Hal. Ent. Mag.* i. 178. Limosina Zosteræ, *Hal. Ent. Mag.* iii. 333, 19.
a. England. Presented by F. Walker, Esq.

Borborus leucopterus. Limosina leucoptera, *Hal. Ent. Mag.* iii. 333, 20.
a. England. Presented by F. Walker, Esq.

CC. *Hal. Ent. Mag.* iii. 334.

Borborus nigerrimus, *Hal. Ent. Mag.* i. 178. *Curt. Brit. Ent.* 469, 29, *b*. Limosina minima, *Macq. Hist. Nat. Dipt.* ii. 573, 9. L. nigerrima, *Hal. Ent. Mag.* iii. 334, 21.
a. England. Presented by F. Walker, Esq.

BB. *Hal. Ent. Mag.* iii. 334.

Borborus melanius. Limosina melania, *Hal. Ent. Mag.* iii. 334, 22.
a. England. Presented by F. Walker, Esq.

d. *Meig. Dipt.* vi. 206, *pl.* 62, *f.* 19.

Group IV. Heteroptera, *Macq.*

Borborus pusillus, *Meig. Dipt.* vi. 206, 22. Copromyza pusilla, *Fall. Heterom.* 8, 5. *Zett. Ins. Lapp.* 770, 3. C. subsultans, var. β, *Fall. Heterom.* 7, 3. Heteroptera pusilla, *Macq. Hist. Nat. Dipt.* ii. 570, 1. *Hal. Ent. Mag.* iii. 335, 1.
a. England. Presented by F. Walker, Esq.

B. *Meig. Dipt.* vi. 209.

Group V. Apterina, *Macq.*

Borborus pedestris, *Meig. Dipt.* vi. 209, 30, *pl.* 62, *f.* 21. Apterina pedestris, *Macq. Hist. Nat. Dipt.* ii. 574, 1. *Hal. Ent. Mag.* iii. 326, 1.
a. England.

Group Bacchis, *Desv. Essai Myod.* 803.

Group Fimetia, *Desv. Essai Myod.* 810.

Group Scatophora, *Desv. Essai Myod.* 811.

Group Olina, *Desv. Essai Myod.* 812.

Borborus ——— ?
a. ——— ? Presented by the Entomological Club.

Orygma, *Meigen.*

Orygma luctuosa, *Meig. Dipt.* vi. 6, 1, *pl.* 55, *f.* 13—17. *Macq. Hist. Nat. Dipt.* ii. 419, 1. *Zett. Ins. Lapp.* 768, 1. Hippobosca marina, *Montagu, MSS.?*
a. England. Presented by F. Walker, Esq.

Cœlopa, *Meigen.*

Group I. Cœlopa, *Hal. Ann. Nat. Hist.* ii. 186.

Cœlopa pilipes, *Hal. Ann. Nat. Hist.* 1839, 186. C. frigida, *Meig. Dipt.* vi. 8, 1. *Macq. Hist. Nat. Dipt.* ii. 502, 1. Hippobosa marina, *Montagu, MSS.?*
a. England. Presented by F. Walker, Esq.
b. England.

Group II. Fucomyia, *Hal. Ann. Nat. Hist.* ii. 186.

Cœlopa frigida, *Hal. Ann. Nat. Hist.* ii. 186, 2. *Zett. Ins. Lapp.* 769, 1. Musca frigida, *Fabr. Syst. Antl.* 307, 116. Copromyza frigida, *Fall. Heteromyz.* 6, 1. Cœlopa gravis, *Hal. Ent. Mag.* i. 167. Psalidomyia fucicola, *Doumerc, Ann. Soc. Ent. Fr.* 1839, 89.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Alten. Presented by F. Walker, Esq.

Cœlopa simplex, *Hal. Ent. Mag.* i. 167. *Ann. Nat. Hist.* ii. 186.
a. England. Presented by F. Walker, Esq.
b. England.

Cœlopa parvula, *Hal. Ent. Mag.* i. 167. *Ann. Nat. Hist.* ii. 186.
a. England. Presented by F. Walker, Esq.
b. England.

Group III. Malacomyza, *Hal. Ann. Nat. Hist.* ii. 186.

Cœlopa sciomyzina, *Hal. Ent. Mag.* i. 167. *Ann. Nat. Hist.* ii. 186.
a. England. Presented by F. Walker, Esq.
b. England.

Group IV.

Cœlopa glabra, n. s., mas. et fem. *Nigra, capite antico palpisque rufis, antennis nigris, pedibus rufis, femoribus nigris, alis subcinereis.*

Body black, linear: head and chest beset with a few black bristles: head red in front and beneath, where it is clothed with

white hairs: eyes pitchy; facets of the fore part a little larger than those elsewhere: sucker black, clothed with hoary hairs; palpi red, beset with black bristles: sides of the face without bristles; epistoma slightly prominent: feelers black, shorter than the face; third joint conical, much longer than the second; bristle slender, bare, stout at the base, about twice the length of the third joint: abdomen clothed with short black hairs, much longer than the chest: legs red, clothed with short black hairs; thighs black, with red tips; a black band round each shank; claws black: wings slightly gray; wing-ribs and veins black; longitudinal veins straight; lower cross-vein straight, slightly oblique, parted by much more than twice its length from the middle cross-vein, by more than thrice its length from the end of the fourth longitudinal vein, and by one-third of its length from the end of the fifth longitudinal vein; poisers red. Length of the body 3—4 lines; of the wings 8—10 lines.

a. England.

PHORA, *Latreille*.

Div. a. *Meig. pl.* 63, *f.* 5.

PHORA incrassata, *Meig. Dipt.* vi. 212, 1, *pl.* 63, *f.* 5. *Macq. Hist. Nat. Dipt.* ii. 630, 25.
a. England. Presented by F. Walker, Esq.
b. France.

Div. b. *Meig. pl.* 63. *f.* 6.

PHORA maculata, *Meig. Dipt.* vi. 214, 7.
a. England. Presented by F. Walker, Esq.

PHORA thoracica, *Latr. Gen. Crust.* iv. 360, *pl.* 15, *f.* 12. *Meig. Dipt.* vi. 214, 8. *Macq. Hist. Nat. Dipt.* ii. 625, 1, *pl.* 24, *f.* 1. Trineura thoracica, *Meig. Klass.* i. 2, 313, 21. *Fall. Phytomyz.* 6, 3. *Zett. Ins. Lapp.* 795, 2.
a. England. Presented by F. Walker, Esq.
b. ——— ?

PHORA abdominalis, *Meig. Dipt.* vi. 225, 40. *Curt. Brit. Ent.* 437. Trineura abdominalis, *Fall. Phytomyz.* 5, 2.
a. England.

PHORA dimidiata, *Meig. Dipt.* vi. 215, 9.
a. England. Presented by F. Walker, Esq.

PHORA urbana, *Meig. Dipt.* vi. 215, 11. *Macq. Hist. Nat. Dipt.* ii. 627, 8.
a. England. Presented by F. Walker, Esq.
b. Alten. Presented by F. Walker, Esq.

PHORA opaca, *Meig. Dipt.* vi. 216, 12. *Macq. Hist. Nat. Dipt.* ii. 627, 9.
a. England. Presented by F. Walker, Esq.
b. France.
c. (Var.?) Alten. Presented by F. Walker, Esq.

PHORA fuscipes, *Macq. Hist. Nat. Dipt.* ii. 627. *Hardy, Zoologist*, 2099.
a. England. Presented by F. Walker, Esq.
b. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

PHORA annulata, *Meig. Dipt.* vi. 216, 14. *Macq. Hist. Nat. Dipt.* ii. 627, 11.
a. England. Presented by F. Walker, Esq.

PHORA rufipes, *Meig. Dipt.* vi. 216, 15. *Macq. Hist. Nat. Dipt.* ii. 627, 12. P. pallipes, *Latr. Gen. Crust.* iv. 360. Trineura rufipes, *Fabr. Syst. Antl.* 336, 1. *Meig. Klass.* i. 2, 313, 3, *pl.* 15, *f.* 23. *Zett. Ins. Lapp.* 795, 3. *Fall. Phytomyz.* 6, 5.
a. England. Presented by F. Walker, Esq.
b. England.
c. France.
d. Stockholm. Presented by the Entomological Club.
e. Gothenberg. Presented by the Entomological Club.
f. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

PHORA lugubris, *Meig. Dipt.* vi. 217, 17.
a. England. Presented by F. Walker, Esq.
b. Kaafiord. Presented by the Entomological Club.
c. Haparanda. Presented by the Entomological Club.
d. Upsal. Presented by the Entomological Club.

PHORA nigra, *Meig. Dipt.* vi. 218, 18. *Macq. Hist. Nat. Dipt.* ii. 628, 14.
a. England. Presented by F. Walker, Esq.

PHORA pumila, *Meig. Dipt.* vi. 218, 20.
a. England. Presented by F. Walker, Esq.

PHORA bicolor, *Megerle, Meig. Dipt.* vi. 219, 23. *Macq. Hist. Nat. Dipt.* ii. 628, 16.
a. England. Presented by F. Walker, Esq.

PHORA fasciata, *Meig. Dipt.* vi. 225, 41. Trineura fasciata, *Fall. Phytomyz.* 7, 9.
a. England. Presented by F. Walker, Esq.

PHORA lutea, *Meig. Dipt.* vi. 220, 25. *Macq. Hist. Nat. Dipt.* ii. 628, 18. Trineura flava, var., *Fall. Phytomyz.* 7, 8. T. lutea, *Zett. Ins. Lapp.* 797, 11.
a. England. Presented by F. Walker, Esq.

Div. *c. Meig. pl.* 63, *f.* 7.

PHORA crassicornis, *Meig. Dipt.* vi. 220, 26. *Macq. Hist. Nat. Dipt.* ii. 629, 22, *pl.* 24, *f.* 3.
a. England. Presented by F. Walker, Esq.

Div. *d. Meig. pl.* 63, *f.* 8.

PHORA funebris, *Meig. Dipt.* vi. 221, 30.
a. England. Presented by F. Walker, Esq.

PHORA florea, *Meig. Dipt.* vi. 221, 31. *Macq. Hist. Nat. Dipt.* ii. 629, 20. Bibio florea, *Fabr. Ent. Syst.* iv. 255, 8. *Syst. Antl* 68, 9.
a. England. Presented by F. Walker, Esq.

Div. e. *Meig. pl.* 63, *f.* 9.

Gymnophora, *Macq.*

PHORA arcuata, *Meig. Dipt.* vi. 222, 33. Gymnophora arcuata, *Macq. Hist. Nat. Dipt.* ii. 631, 1, *pl.* 24, *f.* 5. Trineura rufipes, *Fall. Phytom.* 5, 1. T. arcuata, *Zett. Ins. Lapp.* 795, 1.
a. England. Presented by F. Walker, Esq.

Div. f. Conicera, *Meig. pl.* 63, *f.* 10,

PHORA Dauci, *Meig. Dipt.* vi. 223, 34. Conicera atra, *Meig. Dipt.* vi. 226, 1, *pl.* 63, *f.* 12, 13. *Macq. Hist. Nat. Dipt.* ii. 632, 1, *pl.* 24, *f.* 6.
a. England.

Div. g. *Meig. pl.* 63, *f.* 11.

PHORA aterrima, *Latr. Hist. Nat. Cr.* xiv. 394. *Gen. Crust.* iv. 360. *Meig. Dipt.* vi. 224. *Macq. Hist. Nat. Dipt.* ii. 629, 23, *pl.* 24, *f.* 4. Musca aterrima, *Fabr. Ent. Syst.* iv. 334, 93. Musca &c., *Geoff. Ins.* ii. 533, 76. *Schell. Mouch. t.* 12, *f.* 1. *Coq. Icon. t.* 24, *f.* 3. Tephritis aterrima, *Fabr. Syst. Antl.* 323, 35. Trineura atra, *Meig. Klass.* i. 2, 313, 1, *pl.* 15, *f.* 22. *Fall. Phytomyz.* 7, 7. *Zett. Ins. Lapp.* 796, 8.
a. England. Presented by F. Walker, Esq.
b. ——— ? From Mr. Children's collection.
c. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

PHORA stictica, *Meig. Dipt.* vi. 225, 39. Trineura stictica *Zett. Ins. Lapp.* 797, 9.
a. England. Presented by F. Walker, Esq.
b. Alten. Presented by F. Walker, Esq.
c. Hammerfest. Presented by F. Walker, Esq.

Div, h. Metopina, *Macq.*

PHORA galeata, *Hal. Ent. Mag.* i. 179. Metopina galeata, *Macq. Hist. Nat. Dipt.* ii. 666, 1.
a. England. Presented by F. Walker, Esq.
b. Fontainbleau. Presented by the Entomological Club.

CELYPHUS, *Dalman.*

CELYPHUS obtectus, *Dalm. Analecta Ent.* 32, 1, *pl.* 2, *B. f.* 1—5. *Act. Holm.* 1818, i. 72. *Wied. Auss. Zweif.* ii. 601, 1, *pl.* 10, *f.* 8.
a. Philippine Islands. From Mr. Cuming's collection.
b. ——— ?

CELYPHUS scutatus, *Wied. Auss. Zweif.* ii. 601, 2.
a. Philippine Islands. From Mr. Wood's collection.

CELYPHUS Africanus, n. s. *Cupreo-purpureus, viridi et cyaneo varius, capite antennis pedibusque fulvis, tibiis piceo cinctis, femoribus posticis piceis.*

Head tawny, shining, bluish purple on the crown, somewhat prominent above the insertion of the feelers: eyes red, very convex; facets small: sucker and palpi pitchy: feelers tawny, longer than the head; first joint club-shaped; second irregularly conical, partly brown above, much longer and broader than the first, one-third of its length beyond the insertion of the third joint; the latter spindle-shaped, a little shorter and much more slender than the second; fourth slender, like a spine, less than one-fourth of the length of the third: chest coppery purple, adorned with two green stripes, largely punctured here and there; a green spot on each side of the hind border; scutcheon purplish-copper, more thickly and coarsely punctured than the chest: abdomen dark bluish green: legs tawny; hind thighs pitchy; an indistinct pitchy band round each shank. Length of the body $1\frac{1}{2}$ line.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Sub-order II.—EPROBOSCIDEÆ.

Fam. XXV. CORIACEÆ.

HIPPOBOSCA, *Linn.*

HIPPOBOSCA equina, *Linn. Faun. Suec.* 1921. *Gmel. Ed. Syst. Nat.* i. 5, 2904, 1. *Fabr. Sp. Ins.* ii. 474, 1. *Ent. Syst.* iv. 415, 1. *Syst. Antl.* 337, 2. *Reaum.* vi. *pl.* 48. *Deg. Ins.* vi. 110, 1, *pl.* 16, *f.* 1—20. *Geoff. Ins.* ii. 547, 1. *Schell. Gen. Mouch. pl.* 42, *f.* 1. *Schrank, Faun. Boic.* iii. 2583. *Ins. Austr.* 1007. *Berk. Syn.* i. 168. *Don. Brit. Ins.* viii. 21, *pl.* 261, *f.* 1. *Stew. El.* ii. 274. *Turt.* iii. 687. *Shaw, Gen. Zool. Ins.* vi. 401, *pl.* 114. *Panz. Faun. Germ.* 7, 23. *Latr. Gen. Crust.* iv. 363. *Leach, Eproboscid.* 9, 1, *pl.* 26, *f.* 4—7. *Ed. Enc.* ix. 130. *Oken, Lehrbuch der Naturges.* iii. 533, 1, *pl.* 14. *Sam. Comp.* 302, *pl.* 9, *f.* 11. *Fall. Hæmatom.* 14, 1. *Meig. Dipt.* vi. 228, 1, *pl.* 63, *f.* 15—20. *Zett. Ins. Lapp.* 624, 1. *Macq. Hist. Nat. Dipt.* ii. 638, 1, *pl.* 24, *f.* 8. H. bipartita, var.? *Macq. Dipt. Exot.* ii. 3, 275, 2. H. orientalis, var.? *Macq. Dipt. Exot.* ii. 3, 275, 3.

a. England.
b. Portugal.
c. Var.? Madeira.
d. Egypt.
e. Cape. Presented by the Earl of Derby.
f. South Africa. From Mr. Pearson's collection.

HIPPOBOSCA camelina, *Savigny, Leach, Eprob. Ins.* 10, 4, *pl.* 27, *f.* 11. *Wied. Auss. Zweif.* ii. 602, 1. H. Egyptiaca, *Macq. Dipt. Exot.* ii. 3, 274, 1, *pl.* 36, *f.* 5.

a. Egypt.
b. ———? Presented by Capt. Lord Byron.
c. Egypt. Presented by C. Lamb, Esq.
d. Egypt, beyond the Cataracts. Presented by C. Lamb, Esq.

HIPPOBOSCA variegata, *Cat. Ins. Mus. Vien.* 1823. *Wied. Auss. Zweif.* ii. 603, 2. H. maculata, *Leach, Eprob. Ins.* 7, 1, *pl.* 26, *f.* 11—13.

a. Madras. Presented by Walter Elliott, Esq.
b. North Bengal. From Miss Campbell's collection.
c. Bengal.
d. Cape. From Mr. Children's collection.
e. East India? From Mr. Sowerby's collection.

HIPPOBOSCA rufipes, *Wied. Auss. Zweif.* ii. 604, 3. H. maculata, *Macq. Hist. Nat. Dipt.* ii. 638, 2.
a. Congo. Presented by Sir J. Richardson.

HIPPOBOSCA Francilloni, *Leach, Eprob. Ins.* 8, 2, *pl.* 26, *f.* 8—10. *Wied. Auss. Zweif.* ii. 605, 4.
a. Bengal.
b. Interior of South Africa. Presented by the Earl of Derby.
c. ——— ?

OLFERSIA, *Wiedemann.*

OLFERSIA americana, *Weid. Auss. Zweif.* ii. 606, 1. *Macq. Hist. Nat. Dipt.* ii. 640, 4. Feronia americana, *Leach, Eprob. Ins.* 11, 2, *pl.* 27, *f.* 1—3.
a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.
b. North America. From Mr. Children's collection.
c. Georgia. From Mr. Abbot's collection.

OLFERSIA Macleayi, *Leach, Eprob. Ins. Weid. Auss. Zweif.* ii. 608, 3.
a. New Holland ?

OLFERSIA propinqua, n. s. *Viridi-picea, capite antico pallidiore, pedibus fulvis, femoribus nigro subvittatis, tarsis piceis, alis fuscis.*

Body pitchy, smooth, shining; shoulders, front of the head and mouth paler; sides of the crown metallic green; chest more slightly metallic: tip of the abdomen beset with a few black bristles: legs tawny; thighs slightly streaked with black; feet pitchy; claws black: wings brown; wing-ribs and veins pitchy. Length of the body 1½ line; of the wings 5 lines.
a. Jamaica. From Mr. Gosse's collection.

ORNITHOBIA, *Meigen.*

ORNITHOBIA pallida, *Meig. Dipt.* vi. 230, 1, *pl.* 63, *f.* 21—24. *Macq. Hist. Nat. Dipt.* ii. 639, 1, *pl.* 24, *f.* 9. *Siebold, Ent. Zeit. Stett.* vi. 275. Alaphagus pallidus, *Gimmerthal, Ent. Zeit. Stett.* vi. 152.
a. France.
b. Albania. Presented by W. W. Saunders, Esq.
c. Albania. From Mr. Walker's collection.
d. North Bengal. From Miss Campbell's collection.
e. Egypt. Presented by Sir Gardner Wilkinson.
f. ——— ? From Mr. Children's collection.

ORNITHOBIA capensis, n. s. *Picea, capite fulvo anticè flavo, verticis vitta ferruginea, pedibus fulvis, alis limpidis.*

Body pitchy, smooth, shining: head tawny, yellow in front, having on the crown a large dull ferruginous obconical mark, which is slightly concave at the base and truncated at the tip: eyes pitchy; the facets rather large: borders of the chest and spines of the shoulders ferruginous: abdomen dull, clothed with short black hairs: legs tawny, beset with a few bristles; claws black; foot-cushions yellow: wings colourless; veins dark tawny. Length of the body 1 line; of the wings 4 lines.

a. Natal. From Dr. Krauss' collection.

ORNITHOBIA, n. s.?
a. ——— ?

ORNITHOMYIA, *Leach.*

ORNITHOMYIA avicularia, *Leach, Eproboscid.* 15, 5, *pl.* 25, *f.* 4, 5. *Meig. Dipt.* vi. 232, 1, *pl.* 64, *f.* 1—4. *Macq. Hist. Nat. Dipt.* ii. 641, 1, *pl.* 24, *f.* 11. *Oken, Lehrbuch der Nat.* iii. 533, 1, *pl.* 14. Hippobosca avicularia, *Linn Syst. Nat.* ii. 1010, *Faun. Suec.* 1922. *Gmel. Ed. Syst. Nat.* i. 5, 2904, 2. *Fabr. Sp. Ins.* ii. 275, 2. *Ent. Syst.* iv. 415, 2. *Syst. Antl.* 338, 3. *Schell. Gen. Mouch. pl.* 42, *f.* 3. *Schrank, Faun. Boic.* iii. 2584. *Deg. Ins.* vi. 114, 2, *pl.* 16, *f.* 21—27. *Stew. El.* 274. *Turt.* iii. 687? *Shaw, Gen. Zool.* vi. 402, *pl.* 115? *Fall. Hæmatomyz.* 15, 2.

a. England.
b. Alten. Presented by the Entomological Club.

ORNITHOMYIA viridis, *Leach, Eprob.* 14, 4, *pl.* 25, *f.* 1—3. *Latr. Gen. Crust.* iv. 362. *Schell. Gen. Mouch. pl.* 42, *f.* 2. *Meig. Dipt.* vi. 232, 2, *pl.* 64, *f.* 1. *Macq. Hist. Nat. Dipt.* ii. 642, 2.

a. England.
b. France.
c. ——— ? From Mr. Children's collection.

ORNITHOMYIA Australasiæ, *Leach, Eprob. Ins.* 12, 1, *pl.* 25, *f.* 6—8. *Weid. Auss. Zweif.* ii. 608, 1. Hippobosca Australasiæ, *Fabr. Syst.* 337, 1. *Oliv. Encyc. Meth. Ins.* viii. 544, 1.

a. New Holland. From Mr. Gould's collection.

ORNITHOMYIA nigricans, *Leach, Eprob. Ins.* 12, 2, *pl.* 27, *f.* 7—1 *Wied. Auss. Zweif.* ii. 609, 3.

a. Bengal.

ORNITHOMYIA erythrocephala, *Leach, Eprob. Ins.* 13, 3, *pl.* 27, *f.* 4—6. *Wied. Auss. Zweif.* ii. 610, 5.

a. Brazil.
b. Peru. From Mr. Children's collection.
c. Jamaica. From Mr. Gosse's collection.
d. Jamaica. On Corvus Jamaicensis. From Mr. Gosse's collection.
e. Jamaica. On Columba rufina. From Mr. Gosse's collection.
f. Jamaica. On Tityra leuconotus. From Mr. Gosse's collection.
g. Jamaica. On Geotrygon montana. From Mr. Gosse's collection.
h. Jamaica. On Geotrygon sylvatica. From Mr. Gosse's collection.
i. Jamaica. On Turtur leucopterus. From Mr. Gosse's collection.
j. Jamaica. On Ephialtes grammicus. From Mr. Gosse's collection.
k. Jamaica. On Samothera vetula. From Mr. Gosse's collection.
l. Jamaica. On Herodias virescens. From Mr. Gosse's collection.
m. Jamaica. On Falco columbarius. From Mr. Gosse's collection.
n. Jamaica. On Peristora Jamaicensis. From Mr. Gosse's collection.
o. Jamaica. On Strix pratincola. From Mr. Gosse's collection.
p. Jamaica. On Zenaida amabilis. From Mr. Gosse's collection.
q. Venezuela. From Mr. Dyson's collection.
r. ——— ? From Mr. Children's collection.
s. ——— ?

ORNITHOMYIA nebulosa, *Say, Journ. Acad. Philad.* iii. 102, 1. *Wied. Auss. Zweif.* ii. 610, 6.

a. North America.

ORNITHOMYIA pallida? *Say, Journ. Acad. Philad.* iii. 108, 2. *Wied. Auss. Zweif.* ii. 610, 7.

a. Nova Scotia. From Lieut. Redman's collection.

ORNITHOMYIA parva? *Macq. Hist. Nat. Dipt.* ii. 3, 279, 3.

a. ——— ?

ORNITHOMYIA nigra? Hippobosca nigra? *Perty, Del. Anim. Art.* 190, *pl.* 37, *f.* 15.

a. St. Paul's, Brazil. Presented by C. Darwin, Esq.

ORNITHOMYIA intertropica, n. s. *Picea, ferrugineo varia, verticis margine albido, pedibus fulvis, alis fuscis.*

Body pitchy, smooth, shining, thinly clothed with short tawny hairs: crown of the head ferruginous, with whitish borders; mouth and appendages tawny: chest ferruginous on each side and behind and adorned with a ferruginous stripe: abdomen dull, its tip beset with a few stout black bristles: legs dark tawny, clothed with short black hairs and bristles; claws black; wings brown; wing-ribs and fore border veins pitchy; the other veins dark tawny. Length of the body 3 lines; of the wings 8 lines.

a. Galapagos. Presented by C. Darwin, Esq.

ORNITHOMYIA unicolor, n. s. *Nigro-picea, pedibus piceis, alis fuscis.*

Body, including the mouth and appendages, pitchy-black: head and chest shining: head smooth: eyes pitchy; the facets rather large: chest finely punctured: abdomen dull: legs pitchy, clothed with short black hairs and bristles; claws black: wings brown; wing-ribs and fore border veins pitchy; the other veins dark tawny. Length of the body 3½ lines; of the wings 9 lines.

a. Jamaica. On Ephialtes grammicus. From Mr. Gosse's collection.

b. Jamaica. On Frigata aquilus. From Mr. Gosse's collection.

ORNITHOMYIA remota, n. s. *Fulva, scutello sulcis transversis vittato, pedibus fulvis, alis subfuscis.*

Body pale tawny: head and chest smooth, shining: eyes pitchy; facets rather large: mouth pitchy: scutcheon traversed by a row of slight furrows, widening from the fore border to the hind border, which is beset with a few stout black bristles: abdomen mostly dull, clothed with short black hairs, its tip beset with long black bristles: legs tawny, thickly clothed with black hairs and bristles; claws black: wings pale brown; wing-ribs and veins pitchy. Length of the body 2 lines; of the wings 6 lines.

a. Isle of Tristram da Cunha. From Dr. Leach's collection.

ORNITHOMYIA vicina, n. s. *Picea, capite humeris abdominis basi et segmentorum marginibus posticis apice fulvis, pedibus fulvis, femoribus basi coxisque pallidioribus, tarsis piceis, alis subfuscis.*

Body pitchy, smooth, shining: head, shoulders, and base of the abdomen dark tawny: tip of the abdomen beset with black

bristles; hind borders of its latter segments pale: legs tawny, clothed with black hairs; thighs at the base and hips pale tawny; feet pitchy; claws black: wings pale brown; veins pitchy; fore border veins at intervals, and wing-ribs pale tawny; second longitudinal vein united to the costal vein long before the end of the latter. Length of the body 1 line; of the wings 4 lines.

a. Jamaica. On Ephialtes grammicus. From Mr. Gosse's collection.

ORNITHOMYIA, n. s.?

a. Jamaica. On Psittacus leucocephalus. From Mr. Gosse's collection.

ORNITHOMYIA, opposita, n. s. *Fulva, antennis palpisque fuscis, thorace antico bispinoso, pedibus viridi-fulvis, alis subfuscis.*

Body tawny, smooth, shining, thinly beset with black bristles: feelers and palpi dark brown: eyes and eyelets pitchy; facets of the eyes rather large, especially next the crown: a short spine projecting on each side of the fore border of the chest, which has one longitudinal and two cross furrows, one of the latter disappears in the disk: abdomen dull, thickly clothed with black hairs: legs pale tawny, tinged with green, beset with a few bristles; claws black; foot-cushions whitish: wings pale brown; wing-ribs pitchy; veins black. Length of the body 2 lines; of the wings 5 lines.

a. New Zealand. From Mr. Earl's collection.

ORNITHOMYIA fulvifrons, n. s. *Picea, capite antico fulvo, thoracis spinis apice flavis, pedibus fusco-fulvis, tarsis piceis, alis limpidis.*

Body pitchy, smooth, shining: fore part of the head, mouth and all the appendages bright tawny, beset with tawny bristles; crown dull in the middle, where one longitudinal and two diagonal furrows meet: a large spine, pale yellow towards the tip, projecting on each side of the fore border of the chest, whose two furrows are obsolete at their point of intersection: hind border of the scutcheon armed with a row of short black bristles: abdomen dull, clothed with short black hairs: legs brownish tawny, beset with black bristles; feet pitchy; knees and claws black; foot-cushions yellow: wings colourless; wing-ribs and veins pitchy; fore border veins black. Length of the body 2 lines; of the wings 6 lines.

a. Jamaica. On Ortyx Virginiana. From Mr. Gosse's collection.

ORNITHOMYIA varipes, n. s. *Fulva, verticis vitta antice picea, thorace bisulcato, abdomine piceo, pedibus fulvis, femoribus basi viridibus, tibiarum vittis tarsisque piceis, alis limpidis.*

Body dark tawny, smooth, shining; front of the head and mouth beset with bristles; crown with a broad dull stripe, whose fore border is pitchy: eyes pitchy: two indistinct furrows on the chest, one longitudinal, the other transverse, quite obsolete at the point of intersection: abdomen pitchy, dull, clothed with black hairs: legs tawny, beset with black bristles; thighs at the base bright green; shanks with pitchy streaks; feet pitchy; claws black, long: wings colourless; wing-ribs pitchy; fore border veins black, the other veins dull tawny. Length of the body 2 lines; of the wings 5 lines.

a. Columbia. Presented by M. Goudot.

OXYPTERUM, *Leach.*

OXYPTERUM pallidum, *Leach, Eprob.* 171, *pl.* 25, *f.* 12—14. Mouche araignée, *Geoff. Ins.* ii. 547, 2. Hippobosca Hirundinis, *Panz. Faun. Germ.* 7, 24. *Schæff. Icon. pl.* 53, *f.* 1, 2. Anapera pallida, *Meig. Dipt.* vi. 235, 1, *pl.* 64, *f.* 12—14. *Macq. Hist. Nat. Dipt.* ii. 643, 1, *pl.* 24, *f.* 12.

a. England.

STREBLA, *Wiedemann.*

STREBLA Vespertilionis, *Wied. Auss. Zweif.* ii. 612, 1, *pl.* 10, *f.* 13. *Latr. Regn. Anim. Macq. Hist. Nat. Dipt.* ii. 637, 1, *pl.* 24, *f.* 7. Hippobosca Vespertilionis, *Fabr. Syst. Antl.* 339, 6. *Wied. Analecta, Ent.* 19, *f.* 7.

a. Columbia. Presented by M. Goudot.

b. Jamaica. From Mr. Gosse's collection.

STREBLA Africana, n. s. *Lutea, alis fulvo-albidis.*

Body and legs luteous, clothed with luteous hairs: eyes pitchy, smooth, very small: wings fringed, whitish, with a tawny tinge, which is most prevalent on the fore border and along the sides of the veins; wing-ribs and veins tawny; first longitudinal vein slightly waving, joining the fore border at two-thirds of the length of the wing; second joining the fore border at half the distance between the end of the first and the tip of the wing; third proceeding

from an outward angle formed by the middle cross-vein and joining the tip of the wing; fourth ending in the border just below the tip; fifth slightly waving, stopping a little short of the hind border; lower cross-vein straight, nearly upright, parted by six times its length from the middle cross-vein, by four times its length from the end of the fourth longitudinal vein, and by less than its length from the end of the fifth longitudinal vein. Length of the body ¾ line; of the wings 2 lines.

a. Cape. From Dr. Krauss' collection.

CRATERINA, *Olfers*.

CRATERINA Hirundinis, *Olfers*, *Curt. Brit. Ent.* iii. 122. Hippobosca Hirundinis, *Linn. Syst. Nat.* ii. 1010. *Faun. Suec.* 1923. *Fabr. Sp. Ins.* ii. 475, 3. *Ent. Syst.* iv. 415, 3. *Syst. Antl.* 339, 5. *Gmel. Ed. Syst. Nat.* i. 5, 2905, 3. *Schrank, Faun. Boic.* iii. 2585. *Berk. Syn.* i. 168. *Don. Brit. Ins.* viii. 45, *pl.* 268, *f.* 1. *Stew. El.* ii. 274. *Turt.* iii. 687. *Shaw, Gen. Zool. Ins.* vi. 403. *Wood, Ins.* ii. 109, *pl.* 72. *Fall. Hæmatom.* 15, 3. Ornithomyia Hirundinis, *Latr. Gen. Crust.* iv. 362. Stenepteryx Hirundinis, *Leach, Eprob.* 16, 1, *pl.* 25, *f.* 9—11. *Meig. Dipt.* vi. 234, 1, *pl.* 64, *f.* 5—9. *Macq. Hist. Nat. Dipt.* ii. 644, 1, *pl.* 24, *f.* 13.

a. England.

b. ———? From Mr. Children's collection.

MELOPHAGUS, *Latreille*.

MELOPHAGUS ovinus, *Latr. Hist. Nat. Crust.* xiv. 403. *Gen. Crust.* iv. 363. *Leach, Eprob.* 18, 1, *pl.* 26, *f.* 14, 15. *Meig. Dipt.* vi. 236, 1, *pl.* 64, *f.* 16—18. *Curt. Brit. Ent.* iii. *pl.* 142. *Macq. Hist. Nat. Dipt.* ii. 645, 1, *pl.* 24, *f.* 15. Hippobosca ovina, *Linn. Syst. Nat.* ii. 1011. *Faun. Suec.* 1923. *Gmel. Ed. Syst. Nat.* i. 5, 2905, 4. *Fabr. Sp. Ins.* ii. 475, 4. *Ent. Syst.* iv. 416, 4. *Syst. Antl.* 339, 7. *Schrank, Faun. Boic.* iii. 2586. *Ins. Austr.* 1008. *Don. Brit. Ins.* viii. 46, *pl.* 268, *f.* 2. *Stew. El. Nat. Hist.* ii. 274. *Turt.* iii. 687. *Shaw, Gen. Zool. Ins.* vi. 403. *Panz. Faun. Germ.* 51, 14. *Fall. Hæmatomyz.* 15, 4.

a. England.

b. ———? From Mr. Children's collection.

Leptoptena, *Nitzsch.*

Leptoptena Cervi, *Nitzsch, Latr. Regn. Anim.* Pediculus Cervi, *Linn. Faun. Suec.* 1944. *Gmel. Ed. Syst. Nat.* i. 5, 2916, 7. *Fabr. Sp. Ins.* ii. 477, 5. *Ent. Syst.* iv. 418, 5. *Syst. Antl.* 341, 6. *Panz. Faun. Germ.* 51, 15. Melophagus Cervi, *Meig. Dipt.* vi. 237, 2. *Macq. Hist. Nat. Dipt.* ii. 645, 1.
a. ——— ?

Nycteribia, *Latreille.*

Nycteribia Sykesii? *Westw. Zool. Soc. Trans.* i. 288, 1, *pl.* 36, *f.* 1—25.
a. Natal. From Dr. Krauss' collection.

Nycteribia Hopei, *Westw. Zool. Soc. Trans.* i. 289, 2, *pl.* 36, *f.* 26—28.
a. Bengal. From Mr. Westwood's collection.

Nycteribia Blainvillei, *Westw. Zool. Soc. Trans.* i. 289, 4, *pl.* 36, *f.* 42.
a. ——— ?

Nycteribia Jenynsii? *Westw. Zool. Soc. Trans.* i. 291, 9, *pl.* 36, *f.* 29—34.
a. China. Presented by G. T. Lay, Esq.

Nycteribia Roylii? *Westw. Zool. Soc. Trans.* i. 290, 5, *pl.* 36, *f.* 35, 36.
a. "On a large Indian Bat." From the Hardwicke bequest.

Nycteribia dubia? *Westw. Zool. Soc. Trans.* i. 289, 3.
a. Philippine Islands. From Mr. Wood's collection.
b. Var. (?) Philippine Islands. From Mr. Cuming's collection.

Nycteribia biarticulata, *Westw. Zool. Soc. Trans.* i. 292, 11. *pl.* 36, *f.* 37—41. Phthiridium biarticulatum, *Herm. Mém. Apt. pl.* 6, *f.* 1. P. Hermanni, *Leach, Zool. Misc.* iii. *pl.* 144. Celeripes Vespertilionis, *Mont. Linn. Trans.* ix. 166. Nycteribia Vespertilionis, *Mont. Linn. Trans.* xi. *pl.* 3, *f.* 5.
a. ——— ?

Nycteribia ——— ?
a. Jamaica. On Dysopus. From Mr. Gould's collection.

NYCTERIBIA ——— ?
a. Jamaica. On Noctilio mastivus. From Mr. Gould's collection

NYCTERIBIA ——— ?
a. Natal. From Dr. Krauss' collection.

NYCTERIBIA Vespertilionis, *Fabr. Syst. Antl.* 350, 1. *Latr. Gen. Crust.* iv. 364, *pl.* 15, *f.* 11. *Meig. Dipt.* vi. 238, 1, *pl.* 64, *f.* 19. *Oken, Lehrbuch der Nat. pl.* 14. *Macq. Hist. Nat. Dipt.* ii. 647, 1, *pl.* 24, *f.* 166. Pediculus Vespertilionis, *Linn. Faun. Suec.* 1941. Acarus Vespertilionis, *Fabr. Sp. Ins.* ii. 487, 15. *Ent. Syst.* iv. 429, 22. *Gmel. Ed. Syst. Nat.* i. 5, 2927, 9. *Schrank, Faun. Boic.* iii. 2587.
a. ———?

ERRATA AND ADDENDA.

Page 2.

Transfer Culex ciliatus and the references to Psorophora ciliata, of which it is a synomym, and omit "Georgia. From Mr. Abbot's collection."

Page 3.

Omit C. calopus (which name belongs to another species), and substitute CULEX guttatus, *Megerle.*

Page 6.

CULEX caspius, *Pallas.* C. pipiens, *Zetterstedt.* The Lapland Mosquito.

Page 36.

RHIPIDIA, *Meigen.*

RHIPIDIA maculata, *Meig. Dipt.* i. 153, 1, *pl.* 5, *f.* 9—11. *Macq. Hist. Nat. Dipt.* i. 93, 1, *pl.* 2, *f.* 1.
a. England.

Page 44.

For LIMNOBIA gracilis, *Haliday*, *read* LIMNOBIA gracilis, *White.*

For LIMNOBIA chorica, *Haliday*, *read* LIMNOBIA chorica, *White.*

Page 45.

For LIMNOBIA ægrotans, *Haliday*, *read* LIMNOBIA ægrotans, *White.*

For LIMNOBIA tessellata, *Haliday*, *read* LIMNOBIA tessellata, *White.*

Omit *Haliday* after LIMNOBIA fumipennis.

Page 57.

For LIMNOBIA repanda, *Haliday*, *read* LIMNOBIA repanda, *White*.

Page 74.

For MEGISTOCERA dispar, *read* MEGISTOCERA costalis. Tipula costalis, *Swed. Act. Holm.* 1787, 286, 45. M. dispar, *Walk. &c.*

Page 84.

For e., *read* Section V.

Page 103.

For f., *read* Section VI.

Page 110.

For g., *read* Section VII.

Page 113.

For h., *read* Section VIII.

Page 114.

For SCATOPSE veluto, *read* SCATOPSE veluta.

Page 123.

RHYPUS punctatus.
b. France.
c. ——— ? From Mr. Children's collection.

RHYPUS fenestralis.
b. France.
c. ——— ? From Mr. Children's collection.

Page 126.

DIPHYSA, *Macquart*.

DIPHYSA apicalis. Beris apicalis, *White*, mas. *Fulvus, capite nigro antice cano, thorace abdominisque apice purpureis, thorace vittis tribus aureis pubescentibus ornato, antennis nigris basi rufis, pedibus fulvis tarsis anticis piceis, alis limpidis fulvo cinereoque vittatis nigro fasciatis.*

Head black, hoary in front: eyes pitchy-black; facets of the fore feet rather larger than those elsewhere: palpi and sucker tawny; second joint of the palpi spindle-shaped, not broader than the first:

feelers black, filiform, dark red towards the base, nearly as long as the chest: chest and breast dark purple; chest adorned with golden down, which forms three stripes; scutcheon tawny, armed with four teeth: abdomen tawny, a little narrower than the chest and nearly twice its length, slightly decreasing in breadth from the base to the tip, which is purple: legs tawny; hind legs long, their thighs club-shaped; fore feet pitchy: wings colourless on the disk, tawny along the fore border, gray along the hind border and at the tip, adorned with a blackish band which does not reach the hind border; wing-ribs and veins tawny; veins pitchy on the blackish band; poisers pale yellow. Length of the body 3½ lines; of the wings 7 lines.

b. New Zealand. Presented by Dr. Hooker.

DIPHYSA spiniger, *Macq. Dipt. Exot.* i. 172. Xylophagus spiniger, *Wied. Auss. Zweif.* ii. 618. Beris albimacula seems to be a variety of this species.

Page 134.

PANGONIA appendiculata seems to be PANGONIA gulosa, M.B. *Wied. Auss. Zweif.* i. 99, 22.

Page 140.

PANGONIA lurida. This is perhaps a Tabanus.

Page 150.

TABANUS subvarius. This name must be omitted, for the species here described is a variety of PANGONIA fuscipennis, *Wied. Auss. Zweif.* i. 95, 16. *Macq. Hist. Nat. Dipt.* i. 1, 194, 10. *Dipt. Exot.* ii. 102, 12.

Page 172.

For TABANUS inscitus, *read* TABANUS comes.

Page 190.

DICHELACERA longicornis, *Macq. Dipt. Exot.* i. 1, 114, 2, *pl.* 16, *f.* 2.

a. Brazil. From Mrs. Noel's collection.

b. Brazil.

Page 208.

For HADRUS cyanea. *Rufa, &c., read* HADRUS cyaneus. *Rufus, &c.*

Page 213.

RHAGIO mystacea.
b. New York. Presented by the Entomological Club.
c. Trenton Falls. Presented by E. Doubleday, Esq.

Page 214.

For Chrysopita, *read* Chrysopila.

Page 220.

ATHERIX vidua, n. s., mas. et fem. *Nigro-cinerea, capite antico cano, antennis nigris basi ferrugineis, pedibus piceis, alis cinereis ad costam subfulvis.*

Body dull black, clothed with black hairs: head gray, with a hoary tinge in front: eyes pitchy, convex; all the facets of the female very small; those of the male rather larger on the fore part than elsewhere: sucker, palpi, and feelers black; first and second joints of the feelers dark ferruginous: chest slightly gray, somewhat pitchy on each side near the base of the wings: legs pitchy, clothed with black hairs; claws black; foot-cushions dark tawny: wings gray, with a slight tawny tinge along the fore border from the base to the brand, which is brown; wing-ribs tawny; veins black, tawny at the base; poisers pitchy. Length of the body 1¾ line; of the wings 4 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

For TYOLINA, *read* PTIOLINA, *Stæger.*

For TYOLINA tristis, *read* PTIOLINA obscura, *Zett. Dipt. Scand.* i. 227, 1. Leptis obscura, *Fall. Dipt. Anthr.* 14, 11. *Zett. Ins. Lapp.* 527, 7. Atherax obscura, *Meig. Dipt.* ii. 111, 11.
a. England. Presented by F. Walker, Esq.

PTIOLINA nigra, *Zett. Dipt. Scand.* i. 227, 2. Leptis obscura, var. *Zett. Ins. Lapp.* 527, 7.
a. England. Presented by F. Walker, Esq.

Page 229.

For MYDAS clavigera, *read* MYDAS claviger.

Page 242.

For ANTHRAX imbuta, *read* ANTHRAX Sphinx, var.? *Fabr. Ent. Syst.* iv. 261, 20. *Syst. Antl.* 126, 39. *Wied. Dipt. Exot.* i. 121, 4. *Auss. Zweif.* i. 258, 7.

Page 251.

For ANTHRAX vitriecosta, *read* ANTHRAX vitreicosta.

Page 286.

For L., *read* L.*

Page 293.

For BOMBYLIUS histrio, *read* BOMBYLIUS basilaris, var. *Wied. Zool. Mag.* iii. 46, 7, *b*. *Dipt. Exot.* i. 164, 7. *Auss. Zweif.* i. 335.

Page 296.

APATOMYZA, *Wiedemann.*

APATOMYZA nigra, *Macq. Hist. Nat. Dipt.* i. 390, 1. *Dipt. Exot.* ii. 1, 111, 1, *pl.* 11, *f.* 1. Cyllenia Ægiale is a synonym of this species which will form a new genus.

Page 299.

SYSTROPUS, *Wiedemann.*

Group I.

SYSTROPUS macilentus, *Wied. Nova. Dipt. Gen.* 19, *f.* 7. *Auss. Zweif.* i. 360, 1. *Macq. Hist. Nat. Dipt.* i. 592, 1, *pl.* 9, *f.* 21.

a. Sierra Leone. Presented by the Rev. D. F. Morgan.

Group II.

SYSTROPUS niger, n. s., mas. *Niger, tharacis lateribus abdominisque basi cano micantibus, pedibus anterioribus nigro-piceis, alis nigro-piceis.*

Body, mouth, feelers, and legs black: eyes brassy-black; fore part rather flat, its facets larger than those elsewhere: feelers nearly filiform, as long as the head and the chest; second joint about one-third of the length of the first; third joint flat, a little shorter and broader than the first: sides of the chest hoary: abdomen obclavate, near thrice the length of the chest; segments from the first to the

fourth slender, covered with hoary lustre; first short; second, third, and fourth long, but successively decreasing in length; fifth, sixth, and seventh deeper; eighth and ninth very short: fore and middle legs pitchy-black; hind legs long and slender, their thighs rather thick, their shanks and feet beset with a few short spines: wings dark brown, blackish along the borders of some of the cross-veins; wing-ribs, veins, and poisers black. Length of the body 9 lines; of of the wings 12 lines.

a. Brazil. From Mr. Mornay's collection.

Page 302.

DASYPOGON sabaudus belongs to the group Stenopogon.

Page 338.

For Mrs. Mornay, *read* Mr. Mornay.

Page 366.

DASYPOGON ? Damias, n. s., mas. *Cinerea, pilis albis vestita, antennis pedibusque nigris, femoribus tibiisque anterioribus subtus fulvis, tibiis posticis subclavatis basi flavis, tarsis posticis latis, alarum discis flavo-fuscis.*

Body gray, rather short and broad, thinly clothed with white hairs, black and shining where the gray is worn away: head broader than the chest, silvery-white, clothed with white hairs, which are most thick beneath: eyes piceous; facets very small, and all of the same size: mouth black; feelers black; first and second joints short, beset with black bristles; third joint conical, pointed at the tip, much longer than the first and second: chest and breast thinly covered with white hairs, the former with a few black bristles on each side: abdomen having also some white hairs, cylindrical, narrower than the chest, and rather more than twice its length: legs black, clothed with short black hairs and longer black bristles; thighs and shanks tawny beneath, the former having some white hairs; hind thighs black, tawny at the base; hind shanks slightly club-shaped, yellow for more than one-third of their length from the base; hind feet somewhat broad: wings colourless, their disks mostly yellowish brown; wing-ribs and veins piceous, the latter black towards their tips; poisers tawny. Length of the body 6 lines; of the wings 10 lines.

a. Cape. Presented by the Entomological Club.

Page 375.

For Mrs. Mornay, *read* Mr. Mornay.

Page 382.

LAPHRIA bilineata, *Barnston's MSS.*, fem. *Nigra, thorace cinereo bivittato, abdominis disco ferrugineo, antennis pedibusque nigris, tibiis piceis, alis cinereis.*

Body black, clothed with black hairs: head partly covered with hoary bloom, clothed in front and beneath with hoary hairs: eyes pitchy-black; fore part flat, its facets very much larger than those elsewhere: sucker black, pitchy and clothed with pale hairs at the tip: feelers black: chest adorned with two slender, parallel gray stripes: abdomen spindle-shaped, very much longer than the chest; each segment from the third to the fifth adorned with a large triangular ferruginous spot, which is clothed with bright tawny hairs: legs black, clothed with hoary hairs and black bristles; shanks pitchy; foot-cushions tawny; claws ferruginous towards the base: wings gray; wing-ribs, veins and poisers black. Length of the body 7 lines; of the wings 14 lines.

a. St. Martin's Falls, Albany River, Hudson's Bay Presented by G. Barnston, Esq.

Page 402.

For Mrs. Mornay, *read* Mr. Mornay.

Page 489.

SPANIA nigra, *Meig. Dipt.* vi. 335, 1, *pl.* 66, *f.* 12—14. *Macq. Hist. Nat. Dipt.* i. 431, 1, *pl.* 10, *f.* 14, 15.

a. Alten. Presented by F. Walker, Esq.

Page 492.

For lœvipes, *read* lævipes.

Pages 503, 504.

For HELIODROMIA, *read* HELEODROMIA.

Page 505.

HEMERODROMIA melanocephala.

c. Alten. Presented by F. Walker, Esq.

Page 507.

TACHYDROMIA, Group II. = CHERSODROMIA, *Haliday, MSS.*

Page 508.

PLATYPALPUS minutus.
b. Hammerfest. Presented by F. Walker, Esq.

Page 522.

CLITELLARIA Anchialus = Var.? CLITELLARIA chalybea, *Wied. Analecta, Ent.* 30, 36. *Auss. Zweif.* ii. 49, 4.

Page 529.

Omit Stratiomys Badius; *for* New Holland, *read* New Hampshire, and unite the description of S. Badius with that of S. ischiaca.

Page 536.

ODONTOMYIA fulviceps, *White, Zool. Voy. Erebus and Terror.*
a. New Zealand. From Mr. Earl's collection.

ODONTOMYIA chloris, *White, Zool. Voy. Erebus and Terror.*
a. New Zealand. From Mr. Earl's collection.

Page 537.

CERIA, *Fabr.* under SYRPHICI.

Page 539.

MESOPHILA, n. g.

MESOPHILA fuscipennis. Ceratophya fuscipennis, *Macq. Hist. Nat. Dipt.* i. 488, 3. Microdon Agapenor, *Walk.*

Page 551.

For *thoracis fasciis*, read *thoracis vittis.*

Page 580.

SYRPHUS ægrotus.
c. Java.

Page 603.

For E. R. Coffin, Esq., *read* E. P. Coffin, Esq.

Page 624.

For 89, *read* 189.

Page 647.

PSILOPUS gemmatus, for *aureo-viridis*, read *aureo-viridi*.

Page 649.

Omit *abdomine purpureo*.

Page 672.

For CONOPS flavifrons, *read* CONOPS aurifrons.

Page 674.

For CONOPS Bulbimus, *read* CONOPS aurosa, *Newman*, *Entomologist*, 222.

Page 678.

For Zodion americana, *read* Zodion americanum.

Page 680.

For Fam. XIX. STOMOXYDÆ, *read* Fam. XXI. STOMOXYDÆ.

Page 681.

STOMOXYS irritans? fem. *Nigra, flavo-fusco tecta, thorace vittis quatuor interruptis obscurioribus, abdomine vitta interrupta nigro-fusca, segmentis nigro-fusco bimaculatis, palpis antennis pedibusque nigris, alis subcinereis.*

Body black, covered with yellowish brown bloom, clothed with black hairs and bristles: head yellow on each side of the feelers, hoary in front and beneath; epistoma hardly prominent; sides of

the face beset with a very few bristles at the base: eyes red; all the facets very small: sucker and palpi black: feelers black, nearly as long as the face; third joint linear, truncated at the tip, full four times the length of the second; bristle nearly twice the length of the third joint, stout for full half the length, its first joint distinct, but shorter than its second: chest adorned with four interrupted darker stripes: abdomen elliptical, a little broader but not longer than the chest, adorned with an interrupted dark brown stripe on the back, and with two dark brown spots on each segment: legs black, clothed with black hairs and bristles; thighs tinged with gray; shanks tawny at the base; foot-cushions tawny: wings slightly gray; wing-ribs pitchy; veins black, tawny at the base; tip cross-vein united with the fourth longitudinal vein by a very shallow outward curve, straight from thence till near the tip, where it is very slightly inclined inward, joining the lower border at a short distance from the tip of the wing; lower cross-vein straight for some space from the base, and then having two very indistinct curves, the lower inward, the upper outward; scales white, with pale yellow borders; poisers pale tawny. Length of the body 3 lines; of the wings 7 lines.

a. France?

Stomoxys? Cybira, n. s., fem. *Flavo-fusca, tessellata, capite antico argenteo, thoracis vittis quatuor nigris, antennis pedibusque nigris, alis limpidis.*

Body black, clothed with black hairs and bristles, adorned with yellowish brown reflections: head covered in front with silvery-white lustre; epistoma slightly prominent; sides of the face beset with bristles at the base; sucker black; palpi tawny: eyes red; fore part flat, its facets larger than those elsewhere: feelers black, a little shorter than the face; third joint flat above, very slightly convex beneath, truncated at the tip; bristle very stout, much longer than the third joint: chest adorned with four black stripes; breast grayish: abdomen elliptical, dark brown, a little broader but hardly longer than the chest, adorned with yellowish brown reflections: legs black, tinged with yellowish brown; shanks tawny at the base; foot-cushions tawny: wings colourless; wing-ribs tawny; veins black, tawny towards the base; tip cross-vein united with the fourth longitudinal vein by a very shallow outward curve, almost straight from thence till near the tip, where it has an extremely slight inward curve, joining the border a little below the tip of the wing; lower cross-vein with a very slight outward curve at each end, and with an equally slight but much longer inward curve in the middle part;

scales whitish, with pale tawny borders. Length of the body 2½ lines; of the wings 5 lines.

a. Nova Scotia. From Lieut. Redman's collection.

STOMOXYS ÆNOS, n. s. *Nigra, capite fusco, thoracis vittis fulvis, pectore cinereo, abdomine flavo-fusco, subtus fulvo bivittato, antennis piceis, pedibus nigris, alis limpidis.*

Body thinly clothed with black hairs and bristles: head dark brown, adorned in front with silvery lustre; epistoma slightly prominent; sides of the face beset with bristles at the base: eyes pitchy; fore part nearly flat, its facets rather larger than those elsewhere: sucker black, smooth, shining; palpi tawny: feelers pitchy, shorter than the face; third joint flat above, very slightly convex beneath, obliquely truncated at the tip, about twice the length of the second joint; bristle black, about twice the length of the third joint, thinly feathered, stout for more than half its length: chest black, adorned with indistinct tawny stripes, and on each side with a tawny patch; breast gray: abdomen black, tinged with yellowish brown; two tawny stripes on the under side: legs black, clothed with black hairs and bristles; knees and foot-cushions tawny: wings colourless; wing-ribs pitchy; veins black, tawny at the base; tip cross-vein united by a very slight curve to the fourth longitudinal vein, slightly curved inward from thence to the tip, joining the border a short distance below the tip of the wing; lower cross-vein nearly straight, but with a slight inward inclination in the middle part of its course; scales yellowish white, with pale yellow borders. Length of the body 2 lines; of the wings 5 lines.

a. New Zealand. Presented by Dr. Sinclair.

STOMYXYS? Cytorus, n. s. *Cinereo-fulva, capite cano, abdomine fulvo, pedibus nigris, antennis tibiisque ferrugineis, alis subcinereis ad costam subfuscis.*

Body black, clothed with black hairs and bristles: head ferruginous in front, adorned with a hoary covering which has a tawny tinge behind; epistoma not prominent; sides of the face fringed with bristles at the base: eyes pitchy, not hairy: sucker black, slender, much more than half the length of the body; palpi tawny, slender, beset with black bristles: feelers ferruginous, a little shorter than the face; third joint black, ferruginous at the base, linear, slender, rounded at the tip, full thrice the length of the second joint; bristle feathered: chest adorned with a grayish tawny covering: ab-

domen obconical, not longer nor broader than the chest, adorned with a tawny covering, somewhat tawny and having a hoary tinge beneath: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions tawny: wings slightly gray, with a pale brown tinge along the fore borders; wing-ribs dark tawny; veins black, pitchy towards the base; tip cross-vein forming a very obtuse angle with the fourth longitudinal vein, straight for more than half the length, very slightly curved inward from thence to the tip, joining the border a very little above the tip of the wing; lower cross-vein with a short inward curve near the base, almost straight from thence to the tip; scales grayish. Length of the body 3½ lines; of the wings 7 lines.

a. West Africa. Presented by Sir E. Belcher.

Page 797.

Group —— ?

TACHINA fusiformis, n. s. *Nigra, capite aureo, scutelli margine postico abdomineque ferrugineis, huic vittâ, fasciis apiceque nigris, antennis nigris, articulo 2° ferrugineo, pedibus nigris, tibiis obscurè ferrugineis, alis cinereis basi fulvis ad costam fuscis.*

Body black, clothed with black hairs and bristles: head adorned in front with a golden covering, thickly clothed beneath with pale yellow hairs; facials, epistoma and sides of the peristoma ferruginous; epistoma slightly prominent; sides of the face fringed with bristles at the base: eyes dark red, not hairy: sucker pitchy, clothed with tawny hairs: palpi ferruginous, beset with black bristles: feelers black; second joint ferruginous; third joint linear, rounded at the tip, full four times the length of the second; bristle tapering from the base to the tip, a little more than twice the length of the third joint, its first joint very short, second longer: chest slightly ferruginous on each side of the base of the wing; hind border of the scutcheon ferruginous: abdomen ferruginous, obconical, a little longer but hardly broader than the chest, adorned with a broad black stripe; hind borders of the second and third segments and tip black: legs black, clothed with black hairs and bristles; shanks dark ferruginous; foot-cushions yellow: wings gray, tawny at the base, brown along the fore borders till near the tips; wing-ribs dark tawny; veins pitchy, dark tawny towards the base; tip cross-vein forming a slightly obtuse angle with the fourth longitudinal vein, a little curved inward along the whole length, joining the border at some distance

above the tip of the wing; lower cross-vein with two slight curves, the lower inward, shorter than the other, which is outward; scales pale tawny, with darker borders. Length of the body 8 lines; of the wings 14 lines.

a. Nepaul. From the Hardwicke bequest.

Page 806.

For ZONA *read* LOXONEURA, *Macquart.*

For ZONA violacea *read* LOXONEURA decora, *Macq. Dipt. Exot.* ii. Dictya decora, *Fabr. Syst. Antl.* 327, 6. Platystoma decora, *Wied. Auss. Zweif.* ii. 568, 1.

Page 801.

For CHROMATOMYIA *read* LAMPROGASTER, *Macq. Dipt. Exot.* ii. 3, 211.

For CHROMATOMYIA formosa *read* LAMPROGASTER formosa.

For CHROMATOMYIA placida *read* LAMPROGASTER placida.

For CHROMATOMYIA jucunda *read* LAMPROGASTER jucunda.

For CHROMATOMYIA Vella *read* LAMPROGASTER amæna.

For CHROMATOMYIA hilaris *read* LAMPROGASTER hilaris.

For CHROMATOMYIA apicalis *read* LAMPROGASTER apicalis.

For CHROMATOMYIA læta *read* LAMPROGASTER læta.

For CHROMATOMYIA? bicolor *read* LAMPROGASTER? bicolor.

For CHROMATOMYIA? distincta *read* LAMPROGASTER? distincta.

Page 1087.

OXYCEPHALA? pictipennis, n. s. *Picea, capite ferrugineo, thoracis maculis sex scutelloque fulvis, abdomine basi ferrugineo, antennis fulvis, pedibus piceis, tarsis basi fulvis, femoribus posteriobus apice ferrugineis, alis fuscis ad costam fulvis.*

Body pitchy: head ferruginous, with pitchy marks on the crown and on the front: mouth black: eyes pitchy; facets on the fore part of the crown larger than those elsewhere: feelers tawny;

third joint long and nearly linear; bristle pubescent, black towards the tip, nearly twice the length of the third joint: chest minutely punctured, clothed with short tawny hairs, adorned with three large tawny spots on each side; scutcheon tawny: abdomen spindle-shaped, clothed with dark tawny down, ferruginous towards the base, which is sessile, much longer than the chest, but less than twice its length: legs pitchy, clothed with tawny down; four hind thighs ferruginous towards the tips; feet tawny towards the base; claws black; foot-cushions pale tawny: wings brown, darker along the borders of the veins, tawny along the fore borders from the base till near the tip, which is dark brown; wing-ribs and veins ferruginous; poisers tawny, with pitchy knobs. Length of the body 9 lines; of the wings 18 lines.

a. East India. From Archdeacon Clerk's collection.

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